



U.S. Department  
of Transportation

**National Highway  
Traffic Safety  
Administration**

400 Seventh Street, S.W.  
Washington, D.C. 20590

Dear Crash Data Researchers/Users:

Thank you for choosing crash data from the National Highway Traffic Safety Administration (NHTSA) for your research or other use. The information contained in this motor vehicle crash report is collected, maintained and distributed in accordance with Public Law 89-564. In accordance with this Public Law, NHTSA is required not to release any case information until completion of quality control procedures. These procedures include a review of the case material to extract all names, licenses and registration numbers, non-coded interview material, non-research related researcher comments in the margins, non-factual data, and the production number portion of the vehicle identification number (VIN).

If you requested NHTSA to query its database files in order to identify a specific crash, then that query was made using non-personal descriptors you provided for use in our search. This motor vehicle crash may have been identified from a data search and matches the general, non-personal descriptors you provided, but we cannot confirm that this is the specific crash report you requested.

If you have any questions with regard to the above procedures, please contact the Field Operations Branch, Crash Investigation Division, National Center for Statistics and Analysis at 202-366-4820. Again, please be advised that we cannot confirm that this is the case that you have specifically requested nor can we certify the information to be correct.

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AUTO SAFETY HOTLINE  
(800) 424-9393  
Wash. D.C. Area 368-0123

Case Vehicle (A): 1999 Ford  
Type: F-150 Supercab, 4-door, 4x2 pickup  
Driver: 22-year-old male  
CDC: 12-RBMS-1, 99-0000-0, 12-FZEW-5

## **SITUATION**

(Slide 1) Case vehicle (A) was traveling west in the westbound lane of two-lane, two-way, asphalt roadway. It was dark without streetlights and the road was dry. The driver of case vehicle (A) was fleeing from the police and was driving without headlights. (Slides 2, 3, 4, and 5) As case vehicle (A) completed a left curve, the driver was unable to maintain control, and the vehicle departed the north side of the roadway. (Slides 6, 7, and 8) Case vehicle (A) traveled in a westerly direction across a paved business parking lot, went over a lawn, and sideswiped a tree with its right-rear quarter panel. (Slides 9, 10, 11, 12, 13, 14, and 15) Case vehicle (A) continued in a westerly direction, crossed a driveway and another lawn, struck a metal sign mounted on a pole (the pole was not struck), and then struck a large tree with its front bumper. Case vehicle (A) came to rest against the tree. The unbelted driver was found unconscious, laying face down with his abdomen on the center console, his legs in the driver footwell area, and his head and shoulders on the rear seat. He was flown to a regional level-one trauma center and hospitalized for twenty days before being transferred to a rehabilitation facility. Case vehicle (A) was towed due to damage. The police reported that case vehicle (A) was traveling at 90 mph just prior to leaving the roadway. The driver had been drinking (0.046 BAC) and tested positive for THC.

## **GENERAL VEHICLE DAMAGE AND ESTIMATED CRASH SEVERITIES**

(Slide 16) Overall damage to case vehicle (A) was severe. (Slide 17) Damage from the initial sideswipe impact was minor, with direct damage confined to the right side of the cargo box. Maximum crush to the right side was 3 cm and occurred just above the right-rear axle. (Slides 18 and 19) The maximum crush from the frontal impact was 115 cm and occurred 40 cm to the right of the bumper center. The direct-damage length from the frontal impact was 62 cm and began 22 cm inboard of the right-front bumper corner. (Slides 20 and 21) The right wheelbase was reduced 62 cm, and the left wheelbase was extended 6 cm.



Using the WinSMASH accident-reconstruction program and (slide 22) c-values for case vehicle (A), the following impact severity was calculated for the frontal impact with the tree:

Vehicle	Variable	Calculated Velocity Change - kph (mph)		
		Total	Longitudinal	Latitudinal
Case Vehicle (A)	delta V	96 (60)	-96 (-60)	0 (0)

## **DESCRIPTION OF DAMAGE TO CASE VEHICLE (A)**

### **Exterior**

Direct damage from the initial sideswipe impact was on the right side of the vehicle and occurred between the front of the cargo box and the right-rear axle. This damage occurred above the frame and below the beltline, and the maximum crush was 3 cm.

(Slides 23, 24, 25, and 26) The front bumper, both headlight assemblies, the radiator, the grille, and both fenders were damaged during the frontal impact with the tree. The hood was crushed, the hood latch was damaged and jammed shut, and both hood hinges were damaged but did not separate. The rear edge of the hood was elevated and contacted and cracked the windshield, but did not penetrate it. There was an 85-cm horizontal cut in the top left half of the windshield, but this is believed to be due to preliminary extrication efforts. The rescue crew cut the B-pillars and folded the roof forward. The right-front and right-rear doors were jammed shut, and the right-rear door had been removed during extrication of the driver. The right A-pillar was deformed and there was remote buckling of the right roofrail and roof. The left-front and left-rear doors remained closed and operational. The frame was bent and the front of the cargo box contacted and damaged the back of the cab.

### **Interior**

(Slides 27 and 28) This vehicle was equipped with both steering-wheel and passenger frontal-impact airbags, which deployed during the frontal impact. (Slides 29 and 30) No damage was noted to the airbag module doors. (Slide 31) The backside of the driver's airbag appeared to be

slightly melted, probably due to post-crash contact with the airbag inflator module. (Slide 32) The passenger frontal-impact airbag on/off switch was found in the “on” position. (Slides 33 and 34) The steering-wheel rim was not deformed, but the rearward instrument panel intrusion caused the steering-column mounted transmission lever to contact the upper instrument panel. The tilt steering-wheel adjustment mechanism was in the middle position. (Slide 35) The driver-side knee bolster was damaged and showed evidence of driver knee contact (cloth transfers) on both sides of the steering column. (Slide 36) The mid-instrument panel on either side of the steering wheel was damaged by intrusion and driver contact. (Slide 37) The brake pedal was displaced and the accelerator pedal was detached from the vehicle. (Slide 38) The right instrument panel was damaged by intrusion of the cowl and toepan. (Slide 39) The right interior door panel was deformed due to bowing of the exterior door. (Slides 40 and 41) The window control panel mounted on the left interior door was displaced from its mount.

(Slide 42) The entire seating package had been removed by police officers who were conducting a search for weapons. (Slides 43 and 44) The right-front seat cushion was deformed, probably due to intrusion, and the driver seat appeared to be rotated to the right. The center console did not appear to be damaged and (slide 45) the right-rear seat cushion was marked by occupant contact (blood), but was not apparently damaged.

The following intrusions were noted and measured:

Location	Component	Distance (cm)	Direction
Left front (slide 46)	toepan below right knee contact	32	to rear
	toepan below left knee contact	8	to rear
	instrument panel	17	to rear
Center front	instrument panel	17	to rear
	toepan	38	to rear
Right front (slide 47)	instrument panel	17	to rear
	toepan	47	to rear

## OCCUPANT INJURIES AND KINEMATICS

The 5-ft, 5-in, 125-lb, 22-year-old male driver was not wearing the available three-point belt, but the frontal-impact airbag deployed. Lack of belt use was confirmed by the pursuing police officer who was immediately on-scene and reported that the unconscious driver was laying face

down with his legs in the driver footwell area, his abdomen on the center console, and his head and torso on the right-rear seat cushion.

(Slide 48) On impact, the driver moved forward into the airbag, as evidenced by a smudge mark just to the left of center on the airbag fabric. (Slides 49 and 50) His knees contacted the knee bolster on both sides of the steering column, as evidenced by cloth transfers on the knee bolster. (Slides 51, 52, and 53) It also appears that his head contacted the roof/visor, as evidenced by a scuff mark. He sustained bilateral rib fractures with a right hemothorax. This involved right ribs 2 through 6, and left ribs 2 through 4, with the second and third right ribs being fractured in two places. He also sustained a right pulmonary contusion and a contusion to his liver. These injuries were probably caused by compression of the chest from contact with the airbag and the steering wheel through overloading of the airbag due to the high-speed impact and lack of belt restraints. He also sustained a distraction injury at the level of C1, which is also described as a slightly displaced anterior arch fracture. This injury is associated with a subarachnoid hemorrhage at the craniocervical junction and subdural/subarachnoid hemorrhage in the brainstem. The combination of the cervical and brain injuries resulted in an incomplete cord syndrome or hemiplegia (one-sided paralysis). These injuries were probably caused by neck extension and tension, due to either head contact with the roof/visor or to head/neck loading by the deploying airbag, or both. No external head or forehead injuries were noted in the driver's medical record.

The following tables and attached drawings (slide 54) summarize the injuries sustained by the driver.

Occupant: Driver  
 Restraints: 3-point belt not worn; airbag deployed

Age: 22 years  
 Stature: 165 cm (5 ft 5 in)

Sex: Male  
 Mass: 57 kg (125 lb)

Injury Description	A.I.S.	Injury Source		
		Definite	Probable	Possible
C1 anterior arch fracture, slightly displaced, with epidural and subarachnoid hemorrhage at the craniocervical junction – incomplete cord syndrome, hemiplegia	4			Visor/roof or airbag
Subdural/subarachnoid hemorrhage in the brainstem	5			Visor/roof or airbag
Bilateral rib fractures; right ribs 2-6 with right ribs #2 and #3 fractured in two places, left ribs 2-4, with right hemothorax	4		Airbag/steering wheel	
Right pulmonary contusion	3		Airbag/steering wheel	
Liver contusion	2		Airbag/steering wheel	
<u>Maximum A.I.S. Level</u>	<u>5</u>			
<u>Injury Severity Score</u>	<u>45</u>			

Duplicate columns 1-8  
from the previous card.

Module G 1 Format 0 2  
9 10 11 12

# GENERAL INFORMATION GI-1

## TIME

### DATE OF COLLISION

      /       /            

### HOUR OF COLLISION

(24 HOUR CLOCK)

## LOCATION

STATE:                     

STATE FIPS CODE

### AREA

- (1) URBAN  
(2) RURAL  
(9) UNKNOWN

## ENVIRONMENTAL CONDITIONS

### LIMITED-ACCESS HIGHWAY

- (0) NO  
(1) YES  
(9) UNKNOWN

### ROAD, TOTAL TRAFFIC LANES (FOR CASE VEHICLE)

- (1) 1-LANE  
(2) 2-LANES  
(3) 3-LANES  
(4) 4 OR MORE LANES  
(5) DIVIDED, 4 OR MORE LANES  
(6) PARKING LOT/DRIVEWAY  
(7) OTHER:                       
(9) UNKNOWN

### INTERSECTING RD, TOTAL LANES

CHOOSE FROM ABOVE LIST, OR

- (8) NOT APPLICABLE

### TYPE OF ROAD SURFACE

- (1) ASPHALT  
(2) CONCRETE  
(3) GRAVEL  
(4) MORE THAN ONE (CIRCLE EACH)  
(7) OTHER:                       
(9) UNKNOWN

### ROAD DEFECTS

- (0) NO  
(1) YES  
(9) UNKNOWN

## ENVIRONMENTAL CONDITIONS

### CONSTRUCTION ZONE

- (0) NO  
(1) YES  
(9) UNKNOWN

### ROAD ALIGNMENT VERTICAL PLANE

- (1) LEVEL  
(2) CREST OF HILL  
(3) SLOPE (2%)  
(4) BOTTOM OF HILL  
(9) UNKNOWN

### ROAD ALIGNMENT HORIZONTAL PLANE

- (1) STRAIGHT  
(2) CURVE  
(3) T - SHAPED  
(4) Y - SHAPED  
(7) OTHER:                       
(9) UNKNOWN

### SURFACE COVERING

- (10) DRY  
  
(21) WATER - DAMP  
(22) WATER - WET  
(23) WATER - PUDDLED  
(29) WATER - AMOUNT UNKNOWN  
  
(31) SNOW - LOOSE  
(32) SNOW - PACKED  
(39) SNOW - CONDITION UNKNOWN  
  
(41) ICE  
(51) SLUSH  
(61) SPILLED GRAVEL  
(71) OTHER:                       
(99) UNKNOWN

### VISIBILITY LIMITATION (FOR CASE VEHICLE)

- (0) NONE  
(1) CLOUDY/DARK  
(2) FOG  
(3) SMOKE  
(4) WINDSHIELD CONDITION  
(5) GLARE  
(6) RAIN  
(7) OTHER:                       
(8) ICE/SNOW  
(9) UNKNOWN

### VISIBILITY OBSTRUCTION (FOR CASE VEHICLE)

- (0) NONE  
(1) BUILDING  
(2) SIGN  
(3) VEGETATION (E.G. BUSHES, SHRUBS)  
(4) TREE  
(5) HILL OR CURVE IN ROAD  
(6) VEHICLE IN TRANSPORT  
(7) OTHER:                       
(8) PARKED VEHICLE  
(9) UNKNOWN

## ENVIRONMENTAL CONDITIONS

## SPEED LIMIT

- |     |                 |          |
|-----|-----------------|----------|
| (0) | 5-45 km/h ..... | 5-25 mph |
| (1) | 46-55 .....     | 30       |
| (2) | 56-60 .....     | 35       |
| (3) | 61-70 .....     | 40       |
| (4) | 71-79 .....     | 45       |
| (5) | 80-85 .....     | 50       |
| (6) | 86-90 .....     | 55       |
| (7) | 91-105 .....    | 60       |
| (8) | OVER 105 .....  | 65       |
| (9) | UNKNOWN         |          |

## PRECIPITATION

- (0) NONE  
(1) RAIN  
(2) SNOW  
(3) HAIL  
(4) FREEZING RAIN/SLEET  
(7) OTHER: \_\_\_\_\_  
(9) UNKNOWN

## RATE OF PRECIPITATION

- (1) LIGHT/MIST  
(2) MODERATE  
(3) HEAVY  
(8) NOT APPLICABLE  
(9) UNKNOWN

## TEMPERATURE

- (0) BELOW -15° C ..... BELOW 5° F  
(1) -15 TO -6 ..... 5 TO 22  
(2) -5 TO -1 ..... 23 TO 31  
(3) 0 TO 2 ..... 32 TO 36  
(4) 3 TO 5 ..... 37 TO 41  
(5) 6 TO 15 ..... 42 TO 59  
(6) 16 TO 25 ..... 60 TO 77  
(7) 26 TO 35 ..... 78 TO 95  
(8) OVER 35 ..... OVER 96  
(9) UNKNOWN

## CROSSWIND

- (0) NONE  
(1) LIGHT  
(2) STRONG  
(3) GUSTY & STRONG  
(9) UNKNOWN

## LIGHT CONDITIONS

- (1) DAYLIGHT
- (2) DAWN
- (3) DUSK
- (4) DARK, LIGHTED
- (5) DARK, UNLIGHTED
- (6) DARK, UNKNOWN IF LIGHTED
- (9) UNKNOWN

## MECHANICAL MALFUNCTION

WAS THERE MENTION  
OF A MECHANICAL MALFUNCTION  
IN CASE VEHICLE

- (0) NO  
(1) YES  
(2) YES, DID NOT CONTRIBUTE  
TO ACCIDENT  
(9) UNKNOWN

**THE FOLLOWING SECTION SHOULD BE FILLED  
OUT IF A MECHANICAL MALFUNCTION IS  
RECOGNIZED OR SUSPECTED.**

**CIRCLE ITEMS INVOLVED. SUPPORT ANY  
ITEMS CIRCLED WITH COMMENTS.**

## BRAKE SYSTEM DRIVER CONTROLS

## EXHAUST SYSTEM

## STEERING SYSTEM

## SUSPENSION SYSTEM VISIBILITY ITEMS

ELECTRICAL SYSTEM      TIRES

THROTTLE CONTROLS      UNKNOWN

OTHER: \_\_\_\_\_

COMMENTS: \_\_\_\_\_

## GENERAL INFORMATION GI-3

## CRASH DETAILS

## CASE VEHICLE AND OBJECT

- (0) NO  
(1) YES  
(9) UNKNOWN

1  
47

## CASE VEHICLE ROLLOVER

- (0) NO ROLLOVER  
(1) YES, FIRST EVENT  
(2) YES, SUBSEQUENT EVENT  
(3) YES, SEQUENCE UNKNOWN  
(9) UNKNOWN

0  
48

CASE VEHICLE RAN OFF ROADWAY  
(BEFORE FIRST IMPACT)

- (0) NO  
(1) YES  
(9) UNKNOWN

1  
49

MOVING CASE VEHICLE AND  
CONTACTED MOVING VEHICLE

- (0) NO  
(1) YES  
(9) UNKNOWN

0  
50

CASE VEHICLE AND  
CONTACTED STOPPED VEHICLE

- (0) NO  
(1) YES  
(9) UNKNOWN

0  
51

STOPPED CASE VEHICLE AND  
CONTACTED VEHICLE

- (0) NO  
(1) YES  
(9) UNKNOWN

0  
52

TOTAL NUMBER  
OF VEHICLES CONTACTED  
BY CASE VEHICLE IN CRASH

- (8) 8 OR MORE  
(9) UNKNOWN

0  
53

ANY FIRE IN THIS CRASH  
(NOT JUST CASE VEHICLE)

- (0) NO  
(1) YES  
(9) UNKNOWN

0  
54

HIGHEST POLICE INJURY  
SEVERITY CODE IN CRASH  
(NOT JUST CASE VEHICLE)

- (0) O - NO INJURY  
(1) C - POSSIBLE INJURY  
(2) B - NON-INCAPACITATING INJURY  
(3) A - INCAPACITATING INJURY  
(4) K - FATAL  
(5) INJURED, SEVERITY UNKNOWN  
(6) DIED PRIOR TO ACCIDENT  
(7) NON-FATAL INJURY  
SEVERITY UNKNOWN  
(9) UNKNOWN

3  
55

## DRIVER IMPAIRMENT

DRIVER ALCOHOL INVOLVEMENT  
(CASE VEHICLE)

- (0) NONE  
(1) YES  
(9) UNKNOWN NOT REPORTED  
NO DRIVER

9  
56

DRIVER ALCOHOL BAC  
(CASE VEHICLE)

- (80) NO TEST  
(90) CHEMICAL TESTS, NO RESULTS  
(95) AUTOPSY, NO RESULTS  
(99) UNKNOWN

05  
57 58

WAS THERE MENTION OF DRIVER  
IMPAIRMENT FOR CASE VEHICLE?

- (0) NO  
(1) YES  
(9) UNKNOWN

0  
59

## LIST IMPAIRMENTS MENTIONED:

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## POST - CRASH DETAIL

MANNER CASE VEHICLE  
LEFT SCENE

- (1) DRIVEN  
(2) TOWED DUE TO DAMAGE  
(3) TOWED, NOT DUE TO DAMAGE  
(4) TOWED, REASON UNKNOWN  
(9) UNKNOWN

2  
60

# ACCIDENT SCHEMATIC

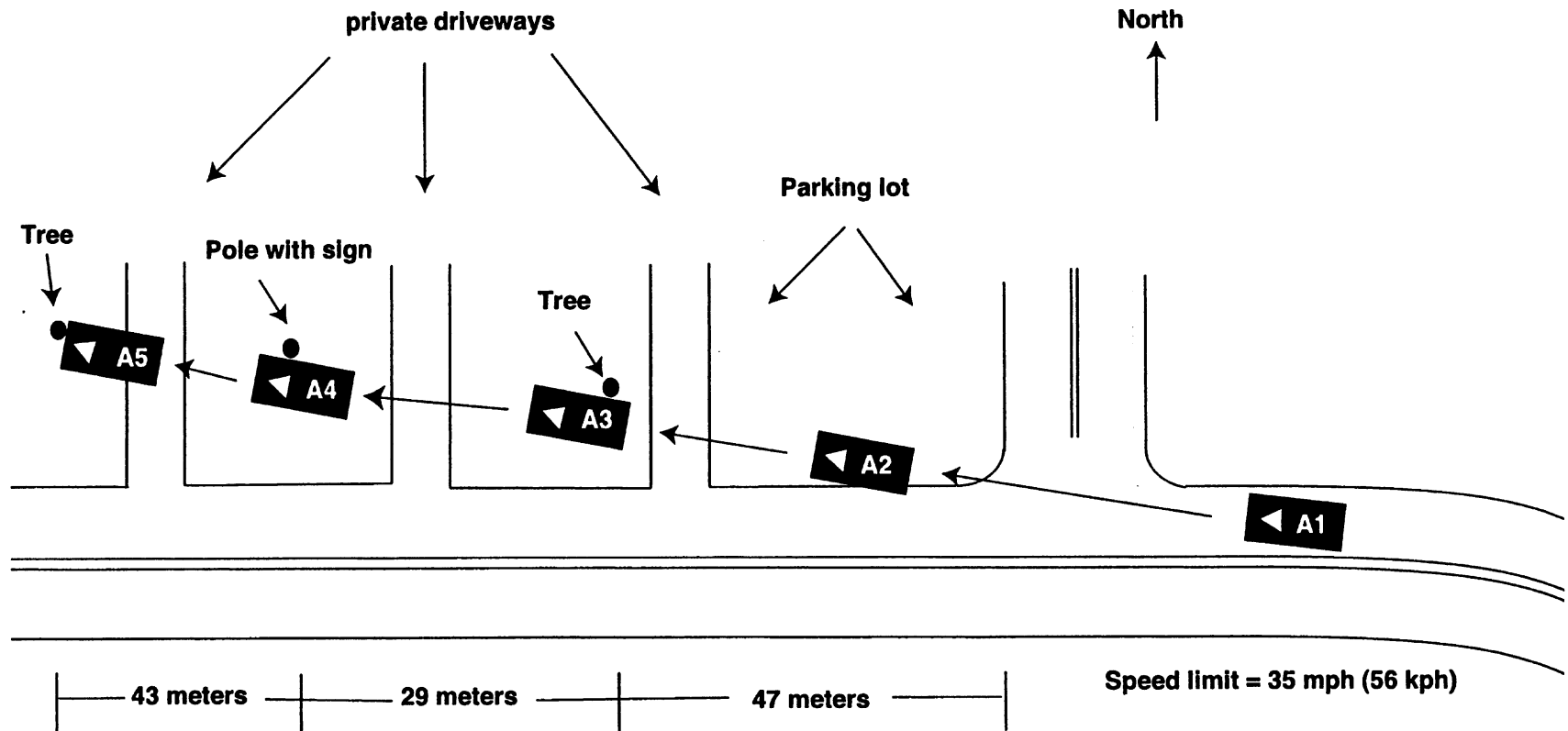
ACCIDENT DESCRIPTION: Case vehicle (A) traveling WB while  
being pursued by police. Driver of (A) lost control,  
ran off right-side of road + sideswiped a tree, then a  
sign. Case vehicle (A) continued on a struck a large tree with its front end.

CASE VEHICLE (A): 1977 Ford F-150 Superch  
 OTHER VEHICLE (B): \_\_\_\_\_  
 THIRD VEHICLE (C): \_\_\_\_\_

G14



NORTH





Duplicate columns 1-8 from the previous card.           Module <u>0</u> <u>9</u> <u>V</u> <u>10</u> Format <u>0</u> <u>4</u> <u>11</u> <u>12</u>		OTHER VEHICLE <span style="float: right;">OV-1</span>	
MAKE: _____ MODEL: _____		CARGO: _____	
VIN _____			
MANUFAC/BODY CODE _____		VEHICLE TYPE	
MAKE/MODEL CODE _____		PASSENGER VEHICLE	
MODEL YEAR _____		(02) LARGE (03) LIMOUSINE (17) PICKUP CAR (20) UNKNOWN PASSENGER VEHICLE BODY (24) SUB-MINI (25) MINI (26) SUB-COMPACT (27) COMPACT (28) INTERMEDIATE (29) FULL	
VEHICLE MASS (kg) _____		MULTIPURPOSE PASSENGER VEHICLE	
IF SEPARATE REPORT WAS MADE, GIVE VEHICLE NUMBER _____		(14) SMALL UTILITY (WHEELBASE LESS THAN 107", E.G. JEEP, BRONCO) (15) LARGE UTILITY (WHEELBASE MORE THAN 107", E.G. PANEL TRUCK, SUBURBAN) (16) PICKUP TRUCK WITH CANOPY/SHELL COVER (17) PICKUP CAR WITH CANOPY/SHELL COVER (21) MOTOR HOME (22) PICKUP TRUCK WITH SLIDE-IN CAMPER (23) PICKUP CAR WITH SLIDE-IN CAMPER (31) CHASSIS-MOUNTED CAMPER	
NUMBER OF OCCUPANTS (ENTER 9'S IF UNKNOWN) _____		TRUCK	
TRAVELING SPEED (km/h) _____		(11) VAN (12) PICKUP TRUCK (13) UNKNOWN LIGHT TRUCK (15) LARGE UTILITY (E.G. PANEL TRUCK, SUBURBAN) (16) PICKUP TRUCK WITH CANOPY/SHELL COVER (22) PICKUP TRUCK WITH SLIDE-IN CAMPER (30) UNKNOWN TRUCK TYPE (31) CHASSIS-MOUNTED CAMPER (33) DELIVERY VAN (WALK-IN) (34) STRAIGHT TRUCK (35) TRUCK-TRACTOR (BOBTAIL) (36) CHASSIS-CAB (37) UNKNOWN HEAVY TRUCK (38) TRACTOR & SEMI-TRAILER (SEMI) (39) TRUCK (OR SEMI) & FULL TRAILER(S)	
(000) PARKED OR STOPPED (995) JUST STARTING UP (996) BACKING UP (997) SPEED NOT EXCESSIVE (BUT UNKNOWN) (998) SPEED EXCESSIVE (BUT UNKNOWN) (999) UNKNOWN		BUS	
HIGHEST POLICE INJURY SEVERITY CODE FOR THIS VEHICLE		(40) UNKNOWN BUS TYPE (41) SCHOOL BUS (42) INTERCITY BUS (BETWEEN CITIES) (43) TRANSIT BUS (INTRACITY) (44) STREETCAR (ON TRACKS)  (68) TRAIN (CARS) (69) LOCOMOTIVE (ENGINE, SWITCHER)  (99) UNKNOWN	
(0) O - NO INJURY (1) C - POSSIBLE INJURY (2) B - NON-INCAPACITATING INJURY (3) A - INCAPACITATING INJURY (4) K - FATAL (5) INJURED, SEVERITY UNKNOWN (6) DIED PRIOR TO ACCIDENT (7) NON-FATAL INJURY SEVERITY UNKNOWN (8) UNOCCUPIED VEHICLE (NOT APPLICABLE) (9) UNKNOWN		WHEELBASE (cm) (999) UNKNOWN	

Duplicate columns 1-8  
from the previous card.

Module 0 9 V 10 Format 0 11 2 12

OTHER VEHICLE OV-2

### ORIGINAL SPECIFICATIONS

Wheelbase	_____ cm	Front Overhang	_____ cm
			22 _____ 24
Curb Weight	_____ kg	Rear Overhang	_____ cm
			25 _____ 27
Average Track Width	_____ cm	Undeformed End Width (UEW)	_____ cm
	13 _____ 15		28 _____ 30
Overall Length	_____ cm	Engine Displacement	_____ L
	16 _____ 18		31 _____ 32
Overall Width (OAW)	_____ cm	Engine: # of Cylinders	_____
	19 _____ 21		33 _____ 34

### VEHICLE DAMAGE

### FRONTAL CRASH OVERLAP

Round up for .5. 98 = 98% or more  
Enter % overlap or "99" for missing or N/A.

Direct Damage Length (DDL) \_\_\_\_\_ cm

35 \_\_\_\_\_ 37

Front-End Overlap (Percent) =  $\frac{DDL}{UEW}$  \_\_\_\_\_ %

38 \_\_\_\_\_ 39

Vehicle Overlap (Percent) =  $\frac{DDL + 1/2 (OAW - UEW)}{OAW}$  \_\_\_\_\_ %

40 \_\_\_\_\_ 41

- (1) POWER  
(2) MANUAL  
(9) UNKNOWN

TYPE OF BRAKES

- (1) DRUM, ALL WHEELS
- (2) DISC, FRONT WHEELS
- (3) DISC, ALL WHEELS
- (9) UNKNOWN

2  
68

WHEELBASE (cm)  
(999) Unknown

352  
76 77 78

BRAKE ANTI-LOCK DEVICE

- (0) NONE INSTALLED
- (1) TWO-WHEEL
- (2) FOUR-WHEEL
- (7) EQUIPPED, UNKNOWN WHEELS
- (9) UNKNOWN

1  
69

PLASTIC ANTI-LACERATIVE  
INNER LAYER GLASS EQUIPPED

- (0) NONE
- (1) WINDSHIELD
- (2) WINDSHIELD AND SIDE
- (7) OTHER
- (9) UNKNOWN

0  
79

AIR CONDITIONING IN VEHICLE

- (0) NO
- (1) YES
- (8) NOT COLLECTED
- (9) UNKNOWN

8  
70

TYPE OF DRIVE

- (1) REAR WHEEL
- (2) FRONT WHEEL
- (3) FOUR WHEEL
- (4) ALL WHEEL DRIVE
- (9) UNKNOWN

1  
71

FIELD INVESTIGATOR INSTRUCTIONS:

1. INDICATE CRUSHED AREAS BY OUT-LINING NEW PERIMETER OF VEHICLE AND SHADING THE DAMAGED AREAS ON THE LARGE SKETCH ON PAGE VD-3. USE AS MANY SKETCHES AS NECESSARY TO COMPLETELY DESCRIBE THE DAMAGE.
2. ENTER THE DIMENSIONS ON THE SKETCH(ES) MEASURED TO THE POINT OF MAXIMUM PENETRATION BY THE OBJECT(S) CONTACTED. USE THE EXAMPLES BELOW AS A GUIDE.
3. ENTER THE THREE DIMENSIONS TO THE CENTER OF THE WHEELS (WHEELBASE, FRONT AND REAR OVERHANGS) ON BOTH SIDES OF THE CAR.
4. ADD OTHER DIMENSIONS AS NECESSARY TO COMPLETELY DESCRIBE THE DAMAGE.

EXAMPLES:

DUAL REAR WHEELS

- (0) NO
- (1) YES
- (9) UNKNOWN

0  
72

ORIGINAL TYPE  
OF RESTRAINT SYSTEM

- (1) ACTIVE BELT
- (2) PASSIVE BELT
- (3) AIRBAG
- (4) KNEE BOLSTERS
- (7) OTHER: \_\_\_\_\_
- (8) NOT APPLICABLE (NOT EQUIPPED)
- (9) UNKNOWN

3  
73

EQUIPPED WITH ROLL BAR

- (0) NO
- (1) YES
- (9) UNKNOWN

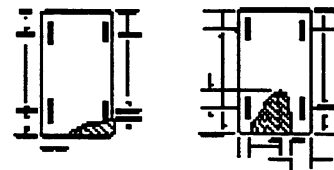
0  
74

TYPE OF ROOF

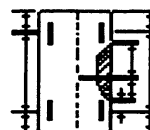
- (0) NONE
- (1) SOLID
- (2) T-TOP CLOSED
- (3) T-TOP OPEN
- (4) SUN ROOF CLOSED
- (5) SUN ROOF OPEN
- (6) CONVERTIBLE CLOSED
- (7) CONVERTIBLE OPEN
- (8) OTHER: \_\_\_\_\_
- (9) UNKNOWN

1  
75

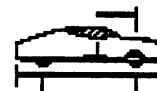
FRONT OR REAR



SIDE



ROOF (REFERENCE TO  
TOP OF DOOR SILL  
OR WINDOW SILL)



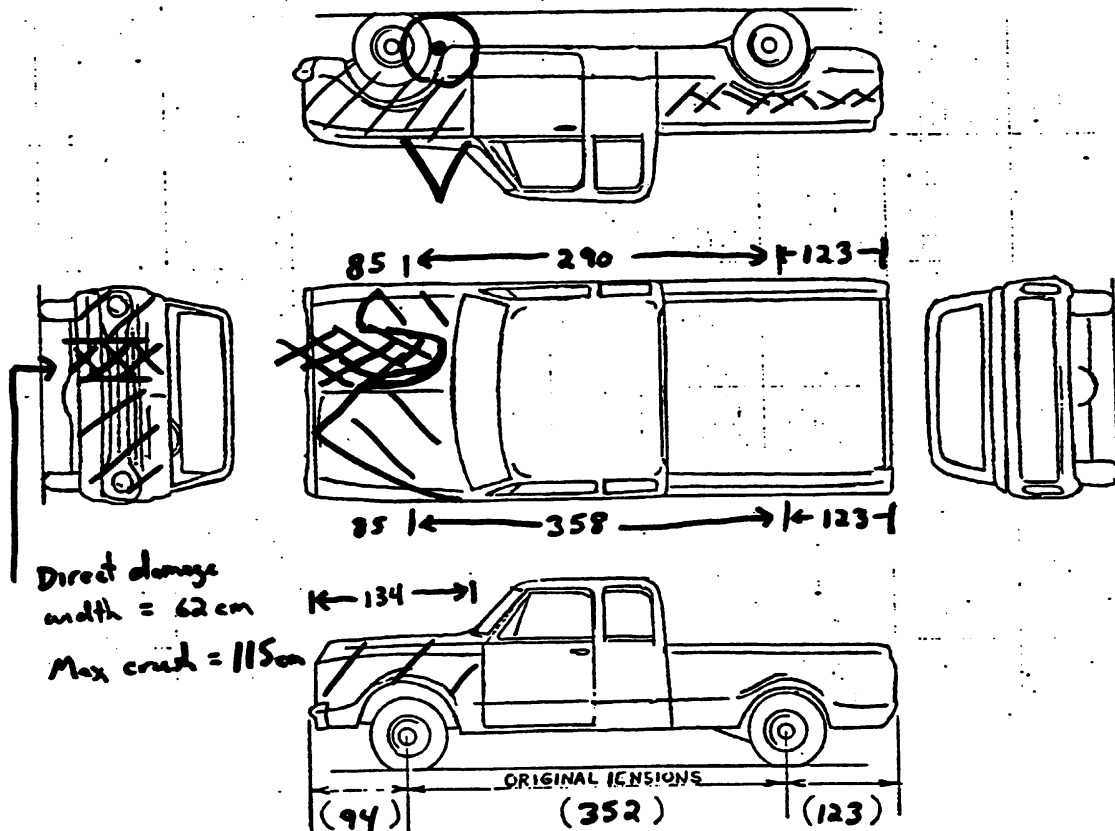
Duplicate columns 1-8  
from the previous card.Module V D Format 0 2  
9 10 11 12

## VEHICLE DESCRIPTION VD-3

## ORIGINAL SPECIFICATIONS

Wheelbase	<u>352</u> cm	Front Overhang	<u>094</u> cm
Curb Weight	<u>1924</u> kg	Rear Overhang	<u>123</u> cm
Average Track Width	<u>999</u> cm	Undeformed End Width (UEW)	<u>176</u> cm
Overall Length	<u>569</u> cm	Engine Displacement	<u>4.2</u> L
Overall Width (OAW)	<u>199</u> cm	Engine: # of Cylinders	<u>06</u>

## VEHICLE DAMAGE



## FRONTAL CRASH OVERLAP

Round up for .5. 98 = 98% or more  
Enter % overlap or "99" for missing or N/A.

Direct Damage Length (DDL)

999 cm  
35 37Front-End Overlap (Percent) =  $\frac{DDL}{UEW}$ 99 %  
38 39Vehicle Overlap (Percent) =  $\frac{DDL + 1/2 (OAW - UEW)}{OAW}$ 99 %  
40 41

Duplicate columns 1-8  
from the previous card.

Module D A Format 0 2  
9 10 11 12

DAMAGE DA-1

PRIMARY	CASE VEHICLE PRIMARY CDC	CONTACTED VEHICLE ASSOCIATED CDC
EVENT NUMBER	3 13	
IMPACT SPEED (km/h)	999 14 15 16	998 35 36 37
ESTIMATED BY	1 17	8 38
CRUSH (cm)	115 18 19 20	998 39 40 41
CDC #1	12.FZEW.5 21 27	98.0000.0 42 48
CDC #2	98.0000.0 28 34	98.0000.0 49 55

Duplicate columns 1-8  
from the previous card.

Module D A Format 0 3  
9 10 11 12

SECONDARY	CASE VEHICLE SECONDARY CDC	CONTACTED VEHICLE ASSOCIATED CDC
EVENT NUMBER	1 13	
IMPACT SPEED (km/h)	999 14 15 16	998 35 36 37
ESTIMATED BY	1 17	8 38
CRUSH (cm)	003 18 19 20	998 39 40 41
CDC #1	12.RBMS.1 21 27	98.0000.0 42 48
CDC #2	98.0000.0 28 34	98.0000.0 49 55

## CODES

### EVENT NUMBER

- (8) NOT APPLICABLE  
(9) UNKNOWN

### IMPACT SPEED

- (998) NOT APPLICABLE  
(999) UNKNOWN

### IMPACT SPEED ESTIMATOR

- (1) INVESTIGATOR  
(2) DRIVER  
(3) POLICE  
(4) "CRASH" PROGRAM  
(5) OTHER COMPUTER PROGRAM  
SPECIFY: \_\_\_\_\_  
(7) OTHER: \_\_\_\_\_  
(8) NOT APPLICABLE  
(NO VEHICLE/NO IMPACT)

### CRUSH

- (998) NOT APPLICABLE  
(NO VEHICLE/DAMAGE)  
(999) UNKNOWN

### CDC

- (9800000) NOT APPLICABLE  
(9900000) UNKNOWN

Duplicate columns 1-8  
from the previous card.Module D A Format 0 1  
9 10 11 12

DAMAGE DA-2

## MAXIMUM SHEET METAL CRUSH

(cm) (999) UNKNOWN

FRONT 115  
13 15RIGHT SIDE 003  
16 18REAR 000  
19 21LEFT SIDE 000  
22 24ROOF 000  
25 27OTHER 000  
28 30CHRONOLOGICAL SEQUENCE  
OF DAMAGE/INJURY PRODUCING CRASH EVENTS  
FOR CASE VEHICLENOTE: IF CHRONOLOGICAL ORDER  
IS UNKNOWN, EVENT  
ORDER IS OPTIONAL.DO YOU KNOW THIS TABLE  
TO BE IN CHRONOLOGICAL ORDER? 1  
31(0) NO  
(1) YES

EVENT NUMBER	IMPACT LOCATION (1) ON ROADWAY (2) SHOULDER/MEDIAN/GORE (3) ON ROADSIDE (4) OUTSIDE ROADSIDE RIGHT-OF-WAY (5) OTHER (6) OFF ROADWAY, LOC. UNK. (9) UNKNOWN	IMPACT CONFIGURATION FOR CODES, SEE TABLE ON PAGE DA-3.	OBJECT/VEHICLE CONTACTED FOR CODES, SEE TABLE ON PAGE DA-4.
# 1	<u>4</u> 32	<u>47</u> 34	<u>77</u> 36
#2	<u>4</u> 37	<u>47</u> 39	<u>85</u> 41
#3	<u>4</u> 42	<u>17</u> 44	<u>77</u> 46
#4	— 47	— 49	— 51
#5	— 52	— 54	— 56
#6	— 57	— 59	— 61
#7	— 62	— 64	— 66

CODES FOR  
IMPACT CONFIGURATIONFRONT OF CASE VEHICLE

- (11) AND FRONT OF CONTACTED VEHICLE
- (13) AND SIDE OF CONTACTED VEHICLE
- (14) AND REAR OF CONTACTED VEHICLE
- (16) ENDSWIPED BY CONTACTED VEHICLE
- (17) AND OBJECT
- (19) AND UNKNOWN OTHER VEHICLE CONFIGURATION

LEFT SIDE OF CASE VEHICLE

- (21) AND FRONT OF CONTACTED VEHICLE (TYPE T)
- (22) AND FRONT OF CONTACTED VEHICLE (TYPE L)
- (23) AND SIDE OF CONTACTED VEHICLE (NOT SIDESWIPE)
- (24) AND REAR OF CONTACTED VEHICLE (TYPE T)
- (25) AND REAR OF CONTACTED VEHICLE (TYPE L)
- (26) SIDESWIPED BY CONTACTED VEHICLE
- (27) AND OBJECT
- (29) AND UNKNOWN OTHER VEHICLE CONFIGURATION

REAR OF CASE VEHICLE

- (31) AND FRONT OF CONTACTED VEHICLE
- (33) AND SIDE OF CONTACTED VEHICLE
- (34) AND REAR OF CONTACTED VEHICLE
- (36) ENDSWIPED BY CONTACTED VEHICLE
- (37) AND OBJECT
- (39) AND UNKNOWN OTHER VEHICLE CONFIGURATION

RIGHT SIDE OF CASE VEHICLE

- (41) AND FRONT OF CONTACTED VEHICLE (TYPE T)
- (42) AND FRONT OF CONTACTED VEHICLE (TYPE L)
- (43) AND SIDE OF CONTACTED VEHICLE (NOT SIDESWIPE)
- (44) AND REAR OF CONTACTED VEHICLE (TYPE T)
- (45) AND REAR OF CONTACTED VEHICLE (TYPE L)
- (46) SIDESWIPED BY CONTACTED VEHICLE
- (47) AND OBJECT
- (49) AND UNKNOWN OTHER VEHICLE CONFIGURATION

## OTHER

- (57) VEHICLE TO OBJECT
- (58) VEHICLE TO VEHICLE
- (59) VEHICLE TO VEHICLE, CONFIGURATION UNKNOWN

## ROLLOVER

- (61) LESS THAN 360°
- (62) 360° OR MORE
- (69) DETAILS UNKNOWN

## UNKNOWN

- (99) IMPACT TYPE UNKNOWN



## DAMAGE DA-4

## CODES FOR VEHICLE/OBJECT CONTACTED

## VEHICLE/OBJECT GROUPS

- (00) NO OBJECT
- (01) - (39) PASSENGER VEHICLE & TRUCK
- (40) - (69) OTHER VEHICLE
- (70) - (76) PEDESTRIAN & ON-ROADWAY OBJECT
- (77) - (97) OFF-ROADWAY OBJECT

- (98) OTHER (DESCRIBE)
- (99) UNKNOWN

## PASSENGER VEHICLE

- (02) LARGE
- (03) LIMOUSINE
- (17) PICKUP
- (20) UNKNOWN PASSENGER VEHICLE BODY
- (24) SUB-MINI
- (25) MINI
- (26) SUB-COMPACT
- (27) COMPACT
- (28) INTERMEDIATE
- (29) FULL

SIZEWHEELBASE

SUB-MINI	< 2286 mm (< 90")
MINI	2286 - 2412 mm (90" - 94.9")
SUB-COMPACT	2413 - 2539 mm (95" - 99.9")
COMPACT	2540 - 2666 mm (100" - 104.9")
INTERMEDIATE	2667 - 2793 mm (105" - 109.9")
FULL	2794 - 2920 mm (110" - 114.9")
LARGE	2921 - 3174 mm (115" - 124.9")
LIMOUSINE	> 3175 mm (> 125")

## MULTIPURPOSE PASSENGER VEHICLE

- (11) SMALL VAN (MINI)
- (12) PICKUP
- (14) SMALL UTILITY (WHEELBASE LESS THAN 107",  
E.G. JEEP, BRONCO)
- (15) LARGE UTILITY (WHEELBASE MORE THAN 107",  
E.G. PANEL TRUCK, SUBURBAN)
- (16) PICKUP TRUCK WITH CANOPY/SHELL COVER
- (17) PICKUP CAR WITH CANOPY/SHELL COVER
- (21) MOTOR HOME
- (22) PICKUP TRUCK WITH SLIDE-IN CAMPER
- (23) PICKUP CAR WITH SLIDE-IN CAMPER
- (31) CHASSIS-MOUNTED CAMPER

## TRUCK

- (11) SMALL VAN (E.G. ECONOLINE)
- (12) PICKUP TRUCK
- (13) UNKNOWN LIGHT TRUCK
- (15) LARGE UTILITY (E.G. PANEL TRUCK, SUBURBAN)
- (16) PICKUP TRUCK WITH CANOPY/SHELL COVER
- (22) PICKUP TRUCK WITH SLIDE-IN CAMPER
- (30) UNKNOWN TRUCK TYPE
- (31) CHASSIS-MOUNTED CAMPER
- (33) DELIVERY VAN (WALK-IN)
- (34) STRAIGHT TRUCK
- (35) TRUCK-TRACTOR (BOBTAIL)
- (36) CHASSIS-CAB
- (37) UNKNOWN HEAVY TRUCK
- (38) TRACTOR & SEMI-TRAILER (SEMI)
- (39) TRUCK (OR SEMI) & FULL TRAILER(S)

## BUS

- (40) UNKNOWN BUS TYPE
- (41) SCHOOL BUS
- (42) INTERCITY BUS (BETWEEN CITIES)
- (43) TRANSIT BUS (INTRACITY)
- (44) STREETCAR (ON TRACKS)

## MOTORCYCLE

- (50) UNKNOWN MOTORCYCLE TYPE
- (51) 1 - 75 cc
- (52) 76 - 125 cc
- (53) 126 - 250 cc
- (54) 251 - 500 cc
- (55) 501 - 750 cc
- (56) 751 cc +
- (57) 3-WHEELS (OR WITH SIDECAR)

## SPECIAL PURPOSE VEHICLE

- (60) UNKNOWN/OTHER SPECIAL VEHICLE (DESCRIBE)
- (61) SNOWMOBILE
- (62) ATV (ALL TERRAIN VEHICLE)
- (63) AMPHIBIOUS VEHICLE
- (64) FARM VEHICLE
- (65) CONSTRUCTION VEHICLE
- (66) TRAILER, PRIVATE (CAMPER)
- (67) TRAILER, COMMERCIAL (CARGO)
- (68) TRAIN (CARS)
- (69) LOCOMOTIVE (ENGINE, SWITCHER)

## OBJECT

- (70) PEDESTRIAN
- (71) BICYCLIST, OTHER PEDALCYCLIST
- (72) PEDESTRIAN CONVEYANCE (E.G. PERSON RIDING  
ANIMAL, CART)
- (73) LARGE ANIMAL
- (74) FALLEN OBJECT (E.G. OBJECT DISLODGED FROM  
OTHER VEHICLE, FALLEN TREE, ROCKS)
- (75) ROCKS
- (76) CONSTRUCTION EQUIPMENT (EXCLUDING (65))
- (77) SIGN POST, UTILITY POLE, TREE
- (78) DITCH
- (79) EMBANKMENT, SNOWBANK, RR TRACKS RR X
- (80) GROUND (ROLLOVER ONLY)
- (81) CURB (DAMAGE PRODUCING IMPACTS ONLY)
- (82) CULVERT
- (83) FENCE
- (84) HYDRANT, SHORT POST, STUMP
- (85) SMALL POST/TREE, RURAL MAIL BOX, MILE  
MARKER, DELINEATOR
- (86) BUILDING
- (87) PIER, PILLAR, BRIDGE SUPPORT
- (88) ABUTMENT, RETAINING WALL
- (89) BRIDGE RAIL
- (90) GUARD RAIL, LEADING SECTION
- (91) GUARD RAIL, MIDDLE OR UNKNOWN
- (92) GUARD RAIL, TRAILING SECTION
- (93) GUARD POST (TIMBER, METAL, CONCRETE)
- (94) CABLE, FENCE BARRIER
- (95) CONCRETE BARRIER (MEDIAN)
- (96) IMPACT ATTENUATOR
- (97) BREAKAWAY FEATURES



Duplicate columns 1-8  
from the previous card.Module C R Format 0 1  
9 10 11 12CRASH RECONSTRUCTION CR-1  
for  $\Delta V$ 

	CASE VEHICLE PRIMARY IMPACT			CASE VEHICLE SECONDARY IMPACT		
	CASE VEHICLE	CONTACTED VEHICLE		CASE VEHICLE	CONTACTED VEHICLE	
EVENT NUMBER	<u>3</u> 13			<u>1</u> 47		
$\Delta V$ (km/h) TOTAL	<u>096</u> 14 15 16	<u>8 —</u> 32 33 34		<u>999</u> 48 49 50	<u>8 —</u> 66 67 68	
LONGITUDINAL*	<u>-096</u> 17 18 19 20	<u>8 —</u> 35 36 37 38		<u>9999</u> 51 52 53 54	<u>8 —</u> 69 70 71 72	
LATERAL*	<u>+000</u> 21 22 23 24	<u>8 —</u> 39 40 41 42		<u>9999</u> 55 56 57 58	<u>8 —</u> 73 74 75 76	
*NOTE: THESE $\Delta V$ COMPONENTS MUST INCLUDE SIGN.						
EXAMPLES: 10 km/h = <u>±010</u> -7 km/h = <u>-007</u>						
ENERGY DISSIPATED BY CRUSH (kg)	<u>0717</u> 25 26 27 28	<u>8 —</u> 43 44 45 46		<u>9999</u> 59 60 61 62	<u>8 —</u> 77 78 79 80	
RECONSTRUCTION						
(01) RECONSTRUCTED, UNKNOWN CONFIDENCE LEVEL	<u>23</u> 29 30			<u>08</u> 63 64		
(21) RECONSTRUCTED, LOW CONFIDENCE LEVEL						
(22) RECONSTRUCTED, MODERATE CONFIDENCE LEVEL						
(23) RECONSTRUCTED, HIGH CONFIDENCE LEVEL						
NOT RECONSTRUCTED BECAUSE						
(02) INSUFFICIENT DATA						
(03) EXCESSIVE UNDERRIDE/ OVERRIDE						
(04) ROLLOVER						
(05) VAULTING						
(06) OTHER TRAVEL IN MORE THAN ONE PLANE						
(07) NON-HORIZONTAL FORCE						
(08) SIDESWIPE-TYPE DAMAGE						
(09) YIELDING OBJECT						
(10) OTHER: _____						
(11) AT LEAST ONE VEHICLE BEYOND SCOPE						
(12) OTHER VEHICLE NOT INSPECTED						
MODE						
(1) CDC ONLY	<u>2</u> 31			<u>5</u> 65		
(2) CDC & DETAILED DAMAGE						
(3) TRAJECTORY & CDC						
(4) TRAJECTORY & CDC & DETAILED DAMAGE						
(5) NOT RECONSTRUCTED						
COMPUTER PROGRAM SPECIFY: _____						

Duplicate columns 1-8  
from the previous card.

Module C R Format 0 2  
9 10 11 12

CRASH RECONSTRUCTION CR-2  
for EBS

	CASE VEHICLE PRIMARY IMPACT			CASE VEHICLE SECONDARY IMPACT		
	CASE VEHICLE	CONTACTED VEHICLE		CASE VEHICLE	CONTACTED VEHICLE	
EVENT NUMBER	<u>3</u> 13			<u>1</u> 47		
EBS (km/h) TOTAL	<u>096</u> 14 15 16	<u>8—</u> 32 33 34		<u>9—</u> 48 49 50	<u>8—</u> 66 67 68	
LONGITUDINAL*	<u>-096</u> 17 20	<u>8—</u> 35 38		<u>9—</u> 51 54	<u>8—</u> 69 72	
LATERAL*	<u>+000</u> 21 24	<u>8—</u> 39 42		<u>9—</u> 55 58	<u>8—</u> 73 76	
* NOTE: THESE EBS COMPONENTS MUST INCLUDE SIGN.						
EXAMPLES: 10 km/h = <u>+010</u> -7 km/h = <u>-007</u>						
ENERGY DISSIPATED BY CRUSH (kj)	<u>0717</u> 25 28	<u>8—</u> 43 46		<u>9—</u> 59 62	<u>8—</u> 77 80	
RECONSTRUCTION						
(01) RECONSTRUCTED, UNKNOWN CONFIDENCE LEVEL	<u>23</u> 29 30			<u>08</u> 63 64		
(21) RECONSTRUCTED, LOW CONFIDENCE LEVEL						
(22) RECONSTRUCTED, MODERATE CONFIDENCE LEVEL						
(23) RECONSTRUCTED, HIGH CONFIDENCE LEVEL						
NOT RECONSTRUCTED BECAUSE						
(02) INSUFFICIENT DATA						
(03) EXCESSIVE UNDERRIDE/ OVERRIDE						
(04) ROLLOVER						
(05) VAULTING						
(06) OTHER TRAVEL IN MORE THAN ONE PLANE						
(07) NON-HORIZONTAL FORCE						
(08) SIDESWIPE-TYPE DAMAGE						
(09) YIELDING OBJECT						
(10) OTHER: _____						
(11) AT LEAST ONE VEHICLE BEYOND SCOPE						
(12) OTHER VEHICLE NOT INSPECTED						
MODE						
(1) CDC ONLY						
(2) CDC & DETAILED DAMAGE	<u>2</u> 31			<u>5</u> 65		
(3) TRAJECTORY & CDC						
(4) TRAJECTORY & CDC & DETAILED DAMAGE						
(5) NOT RECONSTRUCTED						
COMPUTER PROGRAM SPECIFY: _____						

Duplicate columns 1-8  
from the previous card.

Module C R Format 0 3  
9 10 11 12

# CRASH RECONSTRUCTION CR-3

- NOTES:
1. ENTER CRASH RECONSTRUCTION DAMAGE MEASUREMENTS IN CENTIMETERS.
  2. MEASURE  $C_1$  TO  $C_6$  FROM DRIVER TO PASSENGER SIDE IN FRONT OR REAR IMPACTS, REAR TO FRONT IN SIDE IMPACTS.
  3.  $D$  IS POSITIVE IF MEASURED TO A POINT FORWARD OF OR TO THE RIGHT OF THE CG.
  4. USE THE CENTER OF THE WHEELBASE AS THE CG.

CASE VEHICLE

LOCATOR

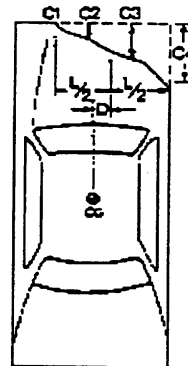
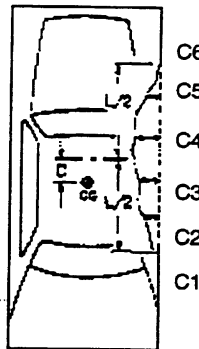
Locate the end of the damage with respect to the vehicle longitudinal center line, or an undamaged axle for side impacts.

Specific Impact No.	Location of Direct Damage	Location of Field L
3	begins 22 cm inboard of RFBC	BC to BC

Stands set 470 cm  
front of rear axle;  
should be at 446, hence  
-24 cm stand adjustment

## PLANE:

- (1) Bumper
- (2) Above Bumper
- (3) Sill
- (4) Above Sill
- (5) Other \_\_\_\_\_
- (9) Unknown



$$UEW = 176$$

DL \_\_\_\_\_

UDL \_\_\_\_\_

## CRUSH PROFILE IN CENTIMETERS

NOTE: Each line in the table below is a separate record (card). Duplicate columns 1 - 12 for each completed line.

Specific Impact Number	Plane of Impact C-Measur.	Direct Damage		Field L	C <sub>1</sub>	C <sub>2</sub>	C <sub>3</sub>	C <sub>4</sub>	C <sub>5</sub>	C <sub>6</sub>	±D
		Length (DDL)	Max Crush								
3	1	62	140	76	23	130	136	140	141	145	+35
	less stand adjustment				-24	-24	-24	-24	-24	-24	
					0	106	112	116	117	121	
	less bumper tape				-26	-7	-1	-1	-7	-26	
3	1	062	115	076	000	099	111	115	110	095	+035
13	14	15 16 17	18 19 20	21 22 23	24 25 26	27 28 29	30 31 32	33 34 35	36 37 38	39 40 41	42 43 44 45
1	4	999	003	999	999	999	999	999	999	999	+999
1	4	999	003	999	999	999	999	999	999	999	+999



Duplicate columns 1-8  
from the previous card.

Module W T Format 0 1  
9 10 11 12

## WHEELS AND TIRES

WT-1

## WHEELS--DAMAGED

- (0) NO  
(1) YES  
(9) UNKNOWN

LF 0  
13RF 1RR 0LR 0  
16

## TIRE TREAD TYPE

- (1) REGULAR  
(2) SNOW  
(3) SLICKS  
(4) ALL WEATHER (MS)  
(7) OTHER: \_\_\_\_\_  
(9) UNKNOWN

LF 4  
17RF 4RR 4LR 4  
20

## CARCASS CONSTRUCTION

- (1) BIAS  
(2) BELTED BIAS  
(3) RADIAL  
(4) ELLIPTICAL  
(5) HI PRESSURE SPARE  
(6) SPACE SAVER SPARE  
(7) OTHER: \_\_\_\_\_  
(9) UNKNOWN

LF 3  
21RF 3RR 3LR 3  
24

SIZE (NOT DOT CODE. IF UNKNOWN, USE 9'S)

LF P 2 3 5 7 0 R 1 6  
25RF \_\_\_\_\_  
35RR \_\_\_\_\_  
45LR \_\_\_\_\_  
55

BF Goodrich  
Radial Long Trail T/A

IF VEHICLE IS EQUIPPED WITH DUAL  
WHEELS, COMPLETE FOR OUTER WHEELS  
AND MAKE NOTES ON INNER WHEELS.

NOTES: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

Duplicate columns 1-8  
from the previous card.

Module F T Format 0 1  
9 10 11 12

## FUEL AND FUEL TANKS FT-1

<b>TYPE OF PROPULSIVE FUEL</b> (1) GASOLINE (2) DIESEL OIL (3) LPG (4) ELECTRIC (7) OTHER: _____ (9) UNKNOWN	<u>1</u> 13	<b>AUXILIARY TANK TYPE</b> (1) OEM TANK (2) AFTER MARKET TANK (8) NOT APPLICABLE (NOT EQUIPPED) (9) UNKNOWN	<u>8</u> 21
<b>MAIN TANK LOCATION</b>	<u>3 2 2</u> 14 16	<b>AUXILIARY TANK LOCATION</b>	<u>8 -</u> 22 24
<b>MAIN FILLER CAP LOCATION</b>	<u>3 1 3</u> 17 19	<b>AUXILIARY FILLER CAP LOCATION</b>	<u>8 -</u> 25 27
<b>MAIN TANK MATERIAL</b>	<u>1</u> 20	<b>AUXILIARY TANK MATERIAL</b>	<u>8</u> 28

### TANK AND FILLER CAP LOCATION CODES

#### FIRST DIGIT (LONGITUDINAL)

- (1) BEHIND KICK-UP
- (2) IN KICK-UP
- (3) BETWEEN KICK-UP & COWL
- (4) FORWARD OF COWL
- (8) NOT APPLICABLE (NOT EQUIPPED)
- (9) UNKNOWN

#### SECOND DIGIT (LATERAL)

- (1) LEFT OF FRAME
- (2) WITHIN FRAME OR CENTERED
- (3) RIGHT OF FRAME
- (4) DUAL, RIGHT & LEFT TANKS
- (8) NOT APPLICABLE (NOT EQUIPPED)
- (9) UNKNOWN

#### THIRD DIGIT (VERTICAL)

- (1) BELOW FRAME
- (2) WITHIN FRAME OR CENTERED
- (3) ABOVE FRAME
- (8) NOT APPLICABLE (NOT EQUIPPED)
- (9) UNKNOWN

### TANK MATERIAL CODES

- (1) STEEL
- (2) ALUMINUM
- (3) PLASTIC
- (7) OTHER
- (8) NOT APPLICABLE (NOT EQUIPPED)
- (9) UNKNOWN



Duplicate columns 1-8  
from the previous card.

Module F L Format 0 1  
9 10 11 12

# FUEL LEAKAGE FL-1

## DID FUEL LEAKAGE RESULT FROM A CRASH EVENT

(0) NO KNOWN LEAKAGE SKIP PAGE.

0  
13

(1) YES COMPLETE PAGE.

LEAK NUMBER	I LEAKING COMPONENT	II COMPONENT SOURCE	III TYPE OF DAMAGE	IV SEVERITY OF DAMAGE	V LOCATION OF LEAK	EVENT NUMBER
#1	<u>    </u> <u>    </u> 14 15	<u>    </u>	<u>    </u>	<u>    </u>	<u>    </u> <u>    </u>	<u>    </u> 21
#2	<u>    </u> <u>    </u> 22 23	<u>    </u>	<u>    </u>	<u>    </u>	<u>    </u> <u>    </u>	<u>    </u> 29
#3	<u>    </u> <u>    </u> 30 31	<u>    </u>	<u>    </u>	<u>    </u>	<u>    </u> <u>    </u>	<u>    </u> 37
#4	<u>    </u> <u>    </u> 38 39	<u>    </u>	<u>    </u>	<u>    </u>	<u>    </u> <u>    </u>	<u>    </u> 45
#5	<u>    </u> <u>    </u> 46 47	<u>    </u>	<u>    </u>	<u>    </u>	<u>    </u> <u>    </u>	<u>    </u> 53

## I LEAKING COMPONENT

### TANK AREA

- (11) MAIN FUEL TANK (INCLUDING VAPOR RECOVERY DOME)
- (12) AUXILIARY FUEL TANK
- (13) MAIN TANK FILLER TUBE
- (14) MAIN TANK CAP (GAS CAP)
- (15) AUXILIARY TANK FILLER TUBE
- (16) AUXILIARY TANK CAP (GAS CAP)
- (19) TANK AREA, DETAILS UNKNOWN

### DELIVERY SYSTEM

- (21) FUEL FEED LINE (MAIN TANK TO FUEL PUMP)
- (22) FUEL FEED LINE (AUXILIARY TANK TO FUEL PUMP)
- (23) FUEL RETURN LINE (FUEL PUMP TO TANK)
- (24) INLINE FUEL FILTER
- (25) FUEL LINE (PUMP TO CARBURETOR OR INJECTOR PUMP)
- (26) CARBURETOR TO INJECTOR PUMP
- (27) FUEL PUMP
- (29) DELIVERY SYSTEM, DETAILS UNKNOWN

### EVAPORATIVE EMISSION CONTROL SYSTEM

- (31) ATMOSPHERIC VENT PIPE (NON-EEC EQUIPPED)
- (32) EEC PIPE (VAPOR CANISTER TO CARBURETOR)

### EEC SYSTEM (CONTINUED)

- (33) VAPOR RECOVERY HOSES (CANISTER TO CARBURETOR)
- (34) LIQUID-VAPOR SEPARATOR (UNLESS PART OF TANK)
- (35) CANISTER
- (39) EEC SYSTEM, DETAILS UNKNOWN
- (49) ENGINE COMPARTMENT, COMPONENT UNKNOWN
- (99) COMPONENT UNKNOWN

## II COMPONENT SOURCE

- (1) OEM
- (2) AFTER MARKET
- (9) UNKNOWN

## III TYPE OF DAMAGE

- (1) DENTED/CRUSHED
- (2) PUNCTURED
- (3) RUPTURED
- (4) SEVERED/GROSS TEARS
- (5) DISCONNECTED/DEFEATED
- (9) UNKNOWN

## IV SEVERITY OF DAMAGE

- (1) MINOR
- (2) MODERATE
- (3) SEVERE
- (4) DISCONNECTED/DEFEATED
- (9) UNKNOWN

## V LOCATION OF LEAK

### FIRST DIGIT (LONGITUDINAL LOCATION)

- (1) F, FORWARD OF COWL
- (2) P, BETWEEN COWL & REAR BULKHEAD
- (3) B, BEHIND REAR BULKHEAD
- (4) Y, F, & P
- (5) Z, P, & B
- (6) D, DISTRIBUTED (F, P & B)
- (9) UNKNOWN

### SECOND DIGIT (LATERAL LOCATION)

- (1) L, LEFT
- (2) C, CENTER
- (3) R, RIGHT
- (4) Y, LEFT CENTER (L & C)
- (5) Z, RIGHT CENTER (R & C)
- (6) D, DISTRIBUTED (F, P & B)
- (9) UNKNOWN

Duplicate columns 1-8  
from the previous card.

Module F R Format 0 1  
9 10 11 12

FIRE FR-1

WAS THERE FIRE IN OR ON CASE VEHICLE?

(0) NO SKIP PAGE.

(1) YES COMPLETE PAGE.

0  
13

DID FIRE START IN CASE VEHICLE?

- (0) NO
- (1) YES
- (9) UNKNOWN

      
14

SEVERITY OF FIRE DAMAGE

- (1) MINOR
- (2) MODERATE
- (3) SEVERE
- (9) UNKNOWN

      
16

FLAME PROPOGATION RATE

- (1) RAPID/EXPLOSIVE
- (2) SLOW/MODERATE
- (9) UNKNOWN

      
15

DID AN INJURY TO CASE  
VEHICLE OCCUPANT RESULT FROM  
FIRE IN OR ON CASE VEHICLE?

- (0) NO
- (1) YES
- (9) UNKNOWN

      
17

*PROVIDE NOTES IF FIRE OCCURRED.*



## LEFT-SIDE BODY MOUNT

DID BODY MOUNT SEPARATE?

- (0) NO  
 (1) YES  
 (8) NOT APPLICABLE  
 (9) UNKNOWN

0  
 34

## LEFT DOORS

HOW DID DOORS  
OPEN DURING COLLISION?

USE CODES:

(0) DOOR DID NOT OPEN

OPENED BECAUSE OF

- (1) HINGE AREA SEPARATION  
 (2) DOOR-LATCH SEPARATION  
 (3) LATCH-STRIKER SEPARATION  
 (4) STRIKER-PILLAR SEPARATION  
 (5) BODY DISTORTION  
 (6) COMBINATION OF ABOVE  
 (CIRCLE EACH)  
 (7) OPENED, REASON UNKNOWN

- (8) NOT APPLICABLE (NO DOOR)  
 (9) UNKNOWN

## LEFT PILLARS

PILLARS SEPARATED COMPLETELY -

USE CODES:

- (0) NO  
 (1) YES  
 (4) NO SEPARATION, BUT DAMAGED  
 (8) NOT APPLICABLE (NOT EQUIPPED)  
 (9) UNKNOWN

-A-PILLAR, UPPER

4  
 35

LOWER

4  
 36

-B-PILLAR, UPPER

8  
 37

LOWER

8  
 38

-C-PILLAR, UPPER

0  
 39

LOWER

0  
 40

-D-PILLAR, UPPER

8  
 41

LOWER

8  
 42

-FRONT

0  
 43

-REAR

0  
 44

## DOORS JAMMED CLOSED-

USE CODES:

- (0) NO  
 (1) YES  
 (8) NOT APPLICABLE (NO DOOR)  
 (9) UNKNOWN

-FRONT

0  
 45

-REAR

0  
 46

## EXTERIOR DAMAGE

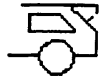
ED-3

## REAR DOOR

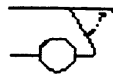
## REAR DOOR TYPE

- (0) NO DOOR (INCLUDES PICKUPS)
- (1) HATCHBACK
- (2) ONE-WAY TAILGATE
- (3) TWO-WAY TAILGATE
- (4) CLAMSHELL/DISAPPEARING TAILGATE
- (5) SINGLE DOOR
- (6) DOUBLE DOOR
- (9) UNKNOWN

Hatchback



One-way



Two-way



or



Clamshell



Single door



Double door

HOW DID DOOR  
OPEN DURING COLLISION?

- (0) DOOR DID NOT OPEN

## OPENED BECAUSE OF

- (1) HINGE AREA SEPARATION
- (2) DOOR-LATCH SEPARATION
- (3) LATCH-STRIKER SEPARATION
- (4) STRIKER-PILLAR SEPARATION
- (5) BODY DISTORTION
- (6) COMBINATION OF ABOVE  
(CIRCLE EACH)
- (7) OPENED, REASON UNKNOWN
- (8) NOT APPLICABLE (NO DOOR)
- (9) UNKNOWN

## DOOR JAMMED CLOSED

- (0) NO
- (1) YES
- (8) NOT APPLICABLE (NO DOOR)
- (9) UNKNOWN

0  
47

## OTHER REAR DAMAGE

WAS PARTITION TO LUGGAGE AREA  
DAMAGED DURING COLLISION?

- (0) NO
- (1) YES
- (8) NOT APPLICABLE
- (9) UNKNOWN

8  
50

## SPARE TIRE

- (0) NO SPARE TIRE
- (1) NOT ATTACHED BEFORE COLLISION
- (2) ATTACHED, NOT SEPARATED IN COLLISION
- (3) ATTACHED, SEPARATED DUE TO COLLISION
- (8) NOT COLLECTED
- (9) UNKNOWN

8  
51

## TRAILER HITCH TYPE

- (0) NO HITCH

## BALL-AND-SOCKET TYPES

- (1) TEMPORARY FRAMEWORK (E.G. RENTAL CLAMP-ON)
- (2) BUMPER-MOUNT ONLY (E.G. LIGHT TRUCK)
- (3) BUMPER-AND-FRAME (BUT NON-EQUALIZING)
- (4) LOAD EQUALIZING

## OTHER TYPES

- (5) RING-AND-PINTLE
- (6) FIFTH-WHEEL (INCL. P/U)
- (7) OTHER (E.G. CLEVIS-AND-PIN)

- (8) EQUIPPED, TYPE UNKNOWN
- (9) UNKNOWN IF EQUIPPED

0  
52

TRAILER TYPE  
(AT TIME OF COLLISION)

- (0) NO TRAILER
- (1) TRAVEL-TRAILER/CAMPER
- (2) MOBILE HOME
- (3) BOAT/SNOWMOBILE/ATV TRAILER
- (4) UTILITY TRAILER
- (5) TOWED CAR
- (7) OTHER: \_\_\_\_\_
- (8) TRAILER, TYPE UNKNOWN
- (9) UNKNOWN

0  
53

8  
48

8  
49

## RIGHT-SIDE BODY MOUNT

DID BODY MOUNT SEPARATE?

- (0) NO  
 (1) YES  
 (8) NOT APPLICABLE  
 (9) UNKNOWN

0  
 54

## RIGHT PILLARS

PILLARS SEPARATED COMPLETELY -

USE CODES:

- (0) NO  
 (1) YES  
 (4) NO SEPARATION, BUT DAMAGED  
 (8) NOT APPLICABLE (NOT EQUIPPED)  
 (9) UNKNOWN

-A-PILLAR, UPPER

4  
 55

LOWER

4  
 56

-B-PILLAR, UPPER

8  
 57

LOWER

8  
 58

-C-PILLAR, UPPER

0  
 59

LOWER

4  
 60

-D-PILLAR, UPPER

8  
 61

LOWER

8  
 62

## RIGHT DOORS

HOW DID DOORS  
OPEN DURING COLLISION?

USE CODES:

(00) DOOR DID NOT OPEN

OPENED BECAUSE OF

- (01) HINGE AREA SEPARATION  
 (02) DOOR-LATCH SEPARATION  
 (03) LATCH-STRIKER SEPARATION  
 (04) STRIKER-PILLAR SEPARATION  
 (05) BODY DISTORTION  
 (06) COMBINATION OF ABOVE  
 (CIRCLE EACH)  
 (07) OPENED, REASON UNKNOWN  
 (11) VAN RIGHT-REAR DOOR OPENED  
 (ANY MECHANISM)

(98) NOT APPLICABLE (NO DOOR)

(99) UNKNOWN

-FRONT

00  
 63 64

-REAR

00  
 65 66

## DOORS JAMMED CLOSED-

USE CODES:

- (0) NO  
 (1) YES  
 (8) NOT APPLICABLE (NO DOOR)  
 (9) UNKNOWN

-FRONT

1  
 67

-REAR

1  
 68

## VAN REAR DOOR TYPE

- (0) VAN, NO REAR DOOR  
 (1) TRACK (SLIDING) - RIGHT SIDE  
 (2) SINGLE-HINGED - RIGHT SIDE  
 (3) DOUBLE-HINGED - RIGHT SIDE  
 (4) TRACK (SLIDING) - RIGHT & LEFT SIDE  
 (5) SINGLE-HINGED - RIGHT & LEFT SIDE  
 (6) DOUBLE-HINGED - RIGHT & LEFT SIDE  
 (7) TRACK AND HINGED COMBINATION  
 (8) NOT APPLICABLE (NOT A VAN)  
 (9) UNKNOWN

8  
 69

## EXTERIOR DAMAGE

ED-5

## WINDSHIELD DAMAGE

## WINDSHIELD CRACKED

- (0) NO  
(1) YES  
(8) NOT APPLICABLE  
(9) UNKNOWN

1  
70

WINDSHIELD BROKEN  
(PLASTIC INTERLAYER TORN)

- (0) NO  
(1) YES  
(8) NOT APPLICABLE  
(9) UNKNOWN

1  
71

CRACKED OR BROKEN  
BY OCCUPANT CONTACT

- (0) NO  
(1) YES  
(8) NOT APPLICABLE  
(9) UNKNOWN

0  
72

## EXTENT OF BOND SEPARATION

- (0) NONE  
(1) 1 - 20%  
(2) 21 - 40  
(3) 41 - 60  
(4) 61 - 80  
(5) 81 - 99  
(6) TOTAL  
(7) SEPARATED, AMOUNT  
UNKNOWN  
(8) NOT APPLICABLE  
(9) UNKNOWN

0  
73

## WINDSHIELD MARK ON CASE VEHICLE:

unable to read

## WINDSHIELD CODE

- (97) DESCRIBED BUT NOT CODED  
(98) NOT APPLICABLE (NO WINDSHIELD)  
(99) UNKNOWN

99  
74 75

## Roof

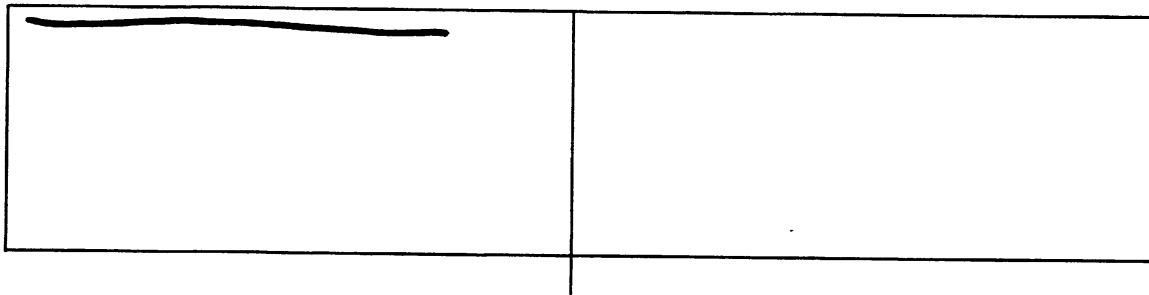
DID T-ROOF/SUN ROOF OPEN  
DURING COLLISION?

- (0) NO  
(1) YES  
(8) NOT APPLICABLE  
(NOT A T-ROOF OR SUN ROOF)  
(9) UNKNOWN

8  
76

LOCATE AREA OF WINDSHIELD INTEREST OR DAMAGE WITH DIMENSIONS (VERTICAL & HORIZONTAL) ON THIS DIAGRAM OF THE WINDSHIELD AS VIEWED FROM INSIDE.

85 cm slit near top edge



L

C

R

## STEERING WHEEL

### STEERING WHEEL RIM DAMAGE

- (0) NONE
- (1) DEFORMED SLIGHTLY
- (2) SEVERELY BENT
- (3) BROKEN
- (9) UNKNOWN

0  
13

### NUMBER OF STEERING WHEEL SPOKES

- (9) UNKNOWN

2  
14

### STEERING WHL SPOKE DAMAGE

- (0) NONE
- (1) DEFORMED SLIGHTLY
- (2) SEVERELY BENT
- (3) BROKEN
- (9) UNKNOWN

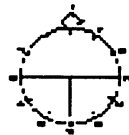
0  
15

### STEERING WHEEL POSITION AT TIME OF COLLISION

IN WHAT O'CLOCK POSITION WAS THE  
NORMAL TOP OF THE WHEEL POINTED  
WHEN THE COLLISION OCCURRED?

#### EXAMPLES

O'CLOCK = 1 2



(NORMAL STRAIGHT  
AHEAD)

O'CLOCK = 0 2



O'CLOCK = 99

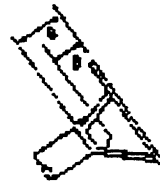
(99) UNKNOWN

## STEERING WHEEL ENERGY ABSORBING DEVICE

#### (1) EXAMPLES:



BARRACUDA, 70 - 74  
CHALLENGER, 70 - 74  
CAPRI, 71 - 77



#### (2) EXAMPLES:

OMNI, 78 -  
HORIZON, 78 -

## STEERING COLUMN OPTIONS

### TILT FEATURE

- (0) NOT EQUIPPED
- (1) YES, EQUIPPED, UNK POSITION
- (2) UP
- (3) MIDDLE
- (4) LOWER
- (9) UNKNOWN IF EQUIPPED

3  
16

### SWING-AWAY FEATURE

- (0) NOT EQUIPPED
- (1) YES, EQUIPPED
- (9) UNKNOWN IF EQUIPPED

0  
17

### TELESCOPING FEATURE

- (0) NOT EQUIPPED
- (1) YES, EQUIPPED
- (9) UNKNOWN IF EQUIPPED

0  
18

### TYPE OF DEVICE

- (0) NONE
- (1) CONVOLUTED OR MESH CYLINDER
- (2) DEEP DISH STEERING WHEEL
- (7) OTHER: \_\_\_\_\_
- (8) NOT COLLECTED
- (9) UNKNOWN IF EQUIPPED

### ORIGINAL DIMENSION (mm)

A: \_\_\_\_\_

### DAMAGE DIMENSION (mm)

B: \_\_\_\_\_

### DIFFERENCE (mm)

A - B

- (888) NOT COLLECTED
- (991) NOT MEASURED/NO APPARENT  
COMPRESSION
- (992) COMPRESSED, AMOUNT UNKNOWN
- (993) DEVICE EXTENDED
- (997) UNABLE TO MEASURE
- (998) NOT APPLICABLE (NOT EQUIPPED)
- (999) UNKNOWN

8  
19

8 8 8  
20 22



## STEERING WHEEL AND COLUMN SC-2

STEERING COLUMN  
ENERGY ABSORBING DEVICE

TYPE OF DEVICE \* (IF 27 OR 28)

- (00) NOT EQUIPPED  
(88) NOT COLLECTED  
(99) UNKNOWN

$$\frac{8}{23} \quad \frac{8}{24}$$

ORIGINAL LENGTH (mm)

C: \_\_\_\_\_

COMPRESSED LENGTH (mm)

D: \_\_\_\_\_

BRACKET DEFLECTION (IF CODE 36, 48,  
OR 49 ABOVE)

OR

COMPRESSION (OR EXTRUSION) (mm)

C - D (OR E) (TOLERANCE:  $\pm 10$ )

- (888) NOT COLLECTED  
(991) NOT MEASURED/NO APPARENT  
COMPRESSION  
(992) COMPRESSED, AMOUNT UNKNOWN  
(993) DEVICE EXTENDED  
(997) UNABLE TO BE MEASURED  
(998) NOT APPLICABLE (NOT EQUIPPED)  
(999) UNKNOWN

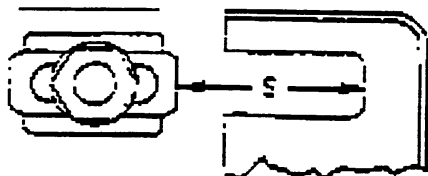
$$\frac{8}{25} \quad \frac{8}{26} \quad \frac{8}{27}$$

\* (ADD A &amp; B FOR TOTAL COMPRESSION)

SHEAR CAPSULE SEPARATION (mm)

S (USE AVG. OF LEFT &amp; RIGHT CAPSULES.)

LT:



RT:

- (888) NOT COLLECTED  
(991) NOT MEASURED/NO APPARENT  
SEPARATION  
(992) SEPARATED, AMOUNT UNKNOWN  
(997) UNABLE TO BE MEASURED  
(998) NOT APPLICABLE (NOT EQUIPPED)  
(999) UNKNOWN

$$\frac{8}{28} \quad \frac{8}{29} \quad \frac{8}{30}$$

## COLUMN VERTICAL ROTATION

- (0) NO APPARENT ROTATION  
(1) UPWARD APPARENT ROTATION  
(2) DOWNWARD APPARENT ROTATION  
(9) UNKNOWN

$$\frac{0}{31}$$

## COLUMN LATERAL ROTATION

- (0) NO APPARENT ROTATION  
(1) LEFT APPARENT ROTATION  
(2) RIGHT APPARENT ROTATION  
(9) UNKNOWN

$$\frac{1}{32}$$

## STEERING WHEEL (CONTINUED)

## STEERING WHEEL HUB DAMAGE

- (0) NONE  
(1) OCCUPANT CONTACT  
(2) AIRBAG  
(3) OTHER \_\_\_\_\_  
(9) UNKNOWN

$$\frac{0}{33}$$



## INTRUSION IT-1

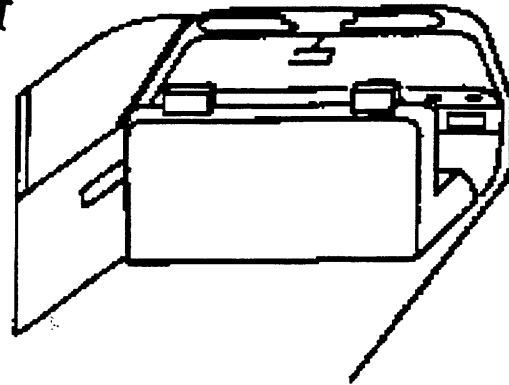
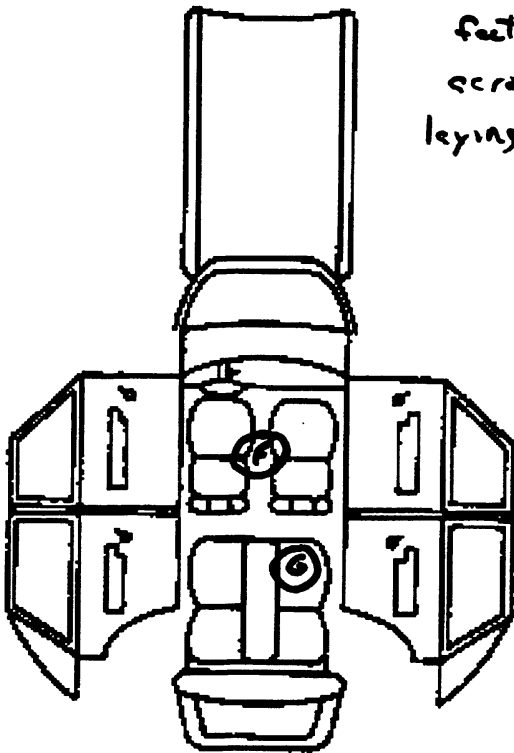
INTRUSION IT-1					
Location of Intrusion	Intruded Component	(All Measurements Are in Centimeters)			Dominant Crush Direction
		Comparison Value	Intruded Value	Intrusion	
Reference stands set at 220 in front of Rear axle					
11	Inst. Panel	36	19	17	longitudinal
	toepen @ R knee	86	54	32	"
	toepen @ L knee	86	78	8	"
12	Inst. panel	36	19	17	"
	toepen	64	26	38	"
13	Instr. panel	36	19	17	"
	toepen	86	39	47	"

## OCCUPANT CONTACT WORKSHEET

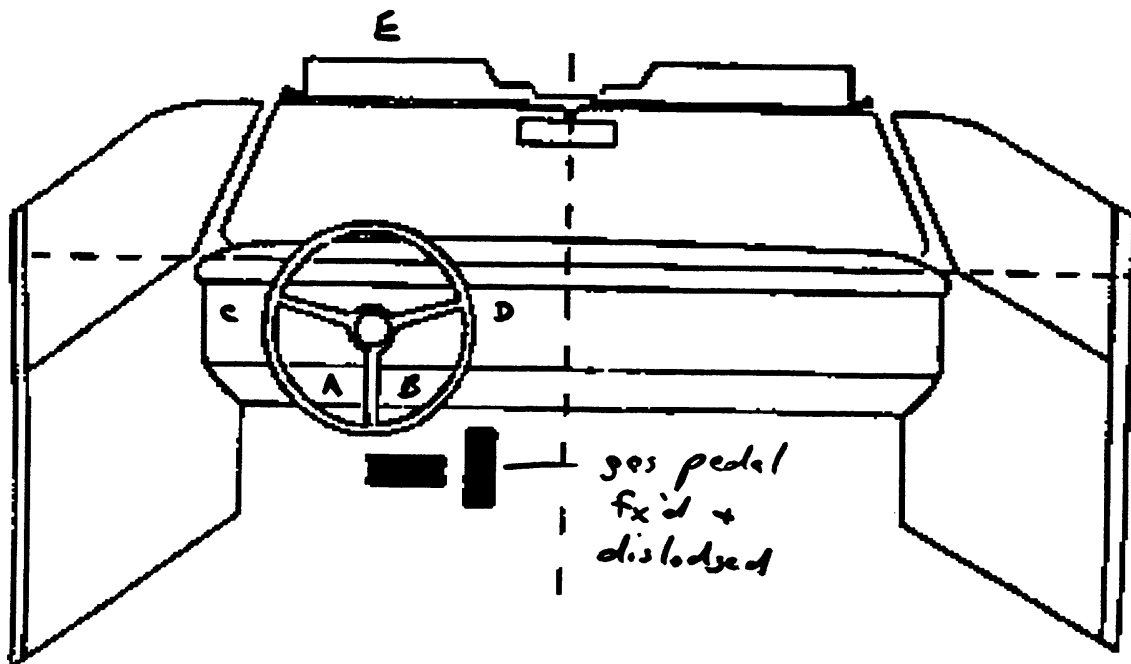
Contact	Interior Component Contacted	Occupant No. if Known	Body Region if Known	Supporting Physical Evidence	Confidence Level of Contact Point
A	knee bolster	1	L knee	scuff / cloth transfer	1
B	knee bolster	1	R knee	scuff / cloth transfer	1
C	L air vent	1		skin transfer / scuff	1
D	R air vent	1		cloth-type transfer	3
E	visor / roof	1		scuff	3
F	center console	1		scuff	2
G	2nd seat, seat cushion	1		blood transfer / known FRP of 3R	1
H	Airbag	1		scuff	1
I	L armrest of 2nd seat	1		scuff	2
J	L seatback of 2nd seat	1		scuff	2

## VEHICLE OCCUPANT CONTACT DIAGRAM

Occupant/driver's known FRP is  
 feet on floor (LF area), torso laying  
 across center console and head/shoulders  
 laying on RR seat



H = airbag



## INTRUSION IT-3

## CODES FOR COLUMN B, OCCUPANT SPACE NUMBER

OCCUPANT SPACE NUMBER IS A TWO-DIGIT CODE. THE USE OF THE CODE IS DETERMINED BY THE VEHICLE SEAT CONFIGURATION AT THE TIME OF THE ACCIDENT.

## FIRST DIGIT

THE FIRST DIGIT (LEFT DIGIT) DENOTES THE SEAT ROW, WITH CODE VALUES FROM 1 TO 5.

## SECOND DIGIT

THE SECOND DIGIT (RIGHT DIGIT) DENOTES THE POSITION ON THE SEAT AND, IN SOME INSTANCES, THE WIDTH OF THE SEAT.

- (1) LEFT (3) RIGHT ..... INDIVIDUAL SEAT
- (1) LEFT (2) CENTER (3) RIGHT ..... BENCH: FULL WIDTH 3 PASSENGER
- (1) LEFT (2) LEFT CENTER (6) RIGHT CENTER (3) RIGHT ..... BENCH: FULL WIDTH 4 PASSENGER
- (1) LEFT (2) CENTER (5) RIGHT & ..... BENCH: PARTIAL WIDTH, LEFT AISLE SPACE
- (0) LEFT & SPACE (2) CENTER (5) RIGHT & SPACE ..... BENCH: PARTIAL WIDTH, CENTERED
- (4) ENTIRE VEHICLE WIDTH ..... CARGO AREA

## EXAMPLES

THE TWO FIGURES BELOW PROVIDE EXAMPLES OF THE OCCUPANT SPACE NUMBER.

PASSENGER CAR  
5 PASSENGERS

X	X	11	13
X	X	21	22 23

VAN  
12 PASSENGER CAPACITY

X	X	11	13
X	X	X	21 22 25
X	X	X	31 32 35
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
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X	X	X	X
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X	X	X	X
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X	X	X	X
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X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
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X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
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X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X

## CODES FOR COLUMN F, MEASUREMENT AXIS

- (X) X-AXIS (FORE & AFT)  
(Y) Y-AXIS (LATERAL)  
(Z) Z-AXIS (VERTICAL)

## CODES FOR COLUMNS G, H, I &amp; J, OCCUPANT &amp; INJURY NUMBERS

OCCUPANT NUMBER	INJURY NUMBER	<u>CONTACT</u>
(00)	(00)	NO CONTACT
(##)	(00)	CONTACT, NO INJURY
(97)	(99)	CONTACT, OCCUPANT UNKNOWN, INJURY UNKNOWN
(99)	(00) OR (99)	UNKNOWN IF CONTACT



## INTRUSION IT-4

## CODES FOR COLUMN C, INTRUDING COMPONENT OR OBJECT

*NOTE: DO NOT CODE OBJECTS OTHER THAN COMPONENTS OF CASE VEHICLE.*

## INDIVIDUAL COMPONENT

## INTERNAL

- (01) INSTRUMENT PANEL
- (02) FIRE WALL
- (03) TOE PAN
- (04) FLOOR PAN
- (05) STEERING COLUMN
- (06) WINDSHIELD
- (07) WINDSHIELD HEADER
- (08) A-PILLAR
- (09) DOOR PANEL OR SIDE PANEL
- (10) WINDOW FRAME
- (11) B-PILLAR
- (12) C-PILLAR
- (13) D-PILLAR
- (14) ROOF SIDE RAILS
- (15) ROOF OR CONVERTIBLE TOP
- (16) BACKLIGHT HEADER
- (17) FRONT SEAT-BACK SURFACE/  
SEAT-BACK BACK SURFACE
- (18) SECOND SEAT-BACK SURFACE  
SEAT-BACK BACK SURFACE
- (19) THIRD SEAT-BACK SURFACE  
SEAT-BACK BACK SURFACE
- (20) FOURTH SEAT-BACK SURFACE  
SEAT-BACK BACK SURFACE
- (21) FIFTH SEAT-BACK SURFACE  
SEAT-BACK BACK SURFACE
- (22) BACK PANEL/BACK DOOR SURFACE
- (23) SEAT CUSHION SURFACE/EDGE
- (24) CONSOLE
- (25) OTHER (*DESCRIBE*)
- (26) UNKNOWN INTERNAL SURFACES
- (28) TRANSMISSION TUNNEL (HUMP)
- (29) SIDE FOOTWELL PANEL (KICKPANEL)
- (30) SILL

## EXTERNAL

- (43) HOOD
- (44) OBJECT EXTERNAL TO PASSENGER  
COMPARTMENT BUT PART  
OF CASE VEHICLE
- (45) OUTSIDE SURFACE OF CASE VEHICLE
- (46) OTHER (*E.G. SPARE TIRE,  
JACK. DESCRIBE.*)
- (49) UNKNOWN EXTERNAL OBJECT

## GROUPED FOR MASSIVE INTRUSION INTO AN OCCUPANT SPACE

*USE ONLY IF ALL THESE COMPONENTS  
INTRUDED INTO A SINGLE OCCUPANT SPACE.*

- |                        |                         |
|------------------------|-------------------------|
| (50) WINDSHIELD HEADER | (60) ROOF               |
| A-PILLAR               | ROOF RAIL               |
| ROOF SIDE RAIL         | A-PILLAR                |
|                        | B-PILLAR                |
| (51) INSTRUMENT PANEL  | C-PILLAR                |
| A-PILLAR               | WINDOW FRAME            |
| DOOR PANEL             | DOOR PANEL              |
|                        | FLOOR PAN               |
| (52) INSTRUMENT PANEL  | (61) INSTRUMENT PANEL   |
| A-PILLAR               | TOE PAN                 |
| WINDSHIELD HEADER      | WINDSHIELD HEADER       |
|                        | A-PILLAR                |
| (53) DOOR PANEL        | ROOF RAIL               |
| B-PILLAR               | WINDOW FRAME            |
| ROOF RAIL              | DOOR PANEL              |
|                        | ROOF                    |
| (54) DOOR PANEL        | (62) ROOF               |
| A-PILLAR               | ROOF RAIL               |
| ROOF RAIL              | C-PILLAR                |
|                        | WINDOW FRAME            |
| (55) INSTRUMENT PANEL  | FLOOR PAN               |
| FLOOR PAN              | SECOND SEAT             |
| A-PILLAR               | DOOR PANEL              |
| DOOR FRAME             |                         |
| (56) ROOF RAIL         | (63) ROOF RAIL          |
| A-PILLAR               | ROOF                    |
| B-PILLAR               | B-PILLAR                |
| WINDOW FRAME           | WINDOW FRAME            |
|                        | FLOOR PAN               |
| (57) ROOF RAIL         | DOOR PANEL              |
| A-PILLAR               | SECOND SEAT             |
| B-PILLAR               | FRONT SEAT              |
| C-PILLAR               |                         |
| DOOR PANEL             | (64) ROOF RAIL          |
|                        | ROOF OR CONVERTIBLE TOP |
| (58) ROOF              | A-PILLAR                |
| ROOF RAIL              | B-PILLAR                |
| WINDOW FRAME           | WINDOW FRAME            |
| DOOR PANEL             | WINDOW HEADER           |
| (59) BACKLIGHT HEADER  | (65) WINDSHIELD         |
| ROOF                   | WINDSHIELD HEADER       |
| C-PILLAR               | ROOF SIDE RAIL          |
| THIRD SEAT-BACK        |                         |
|                        | (66) WINDSHIELD         |
|                        | WINDSHIELD HEADER       |
|                        | A-PILLAR                |
|                        |                         |
|                        | (98) NOT APPLICABLE     |
|                        | (99) UNKNOWN            |

Duplicate columns 1-8  
from the previous card.

Module 1 9 T 10 Format 0 11 1 12

INTRUSION IT-5

WAS THERE OCCUPANT COMPARTMENT INTRUSION? 1

13

WAS INTRUSION CATASTROPHIC? 0

14

- (0) NO DO NOT ANSWER NEXT QUESTION. SKIP PAGE.  
(1) YES ANSWER NEXT QUESTION.  
(9) UNKNOWN SKIP PAGE.

- (0) NO COMPLETE PAGE.  
(1) YES SKIP PAGE.

Duplicate columns 1-8  
from the previous card.

Module 1 9 T 10 Format 0 11 2 12

NOTE: Each line in the table below is a separate record (card). Duplicate columns 1 - 12 for each completed line.

INTRUSIONS CODE INTRUSIONS IN THIS ORDER: LEFT TO RIGHT ON ROW; FRONT TO BACK IN VEHICLES.  
CODES FOR B, F, G, H, I, J ON PAGE IT-3  
CODES FOR C ON PAGE IT-4

OCCUPANT CONTACT AND INJURY

A	B	C	D	E	F	G	H	I	J	K
INTRUSION NUMBER	OCC. SPACE NO.	INTRUDING COMPONENT OR OBJECT	ASSOC. EVENT NO.	MAXIMUM INTRUSION X AXIS (cm)	MAXIMUM INTRUSION Y AXIS (cm)	MAXIMUM INTRUSION Z AXIS (cm)	OCCUPANT NUMBER	INJURY NUMBER	OCCUPANT NUMBER	INJURY NUMBER
13-14	15-16	17-18	19	20-21	22-23	24-25	26-27	28-29	30-31	32-33
<u>0 1</u>	<u>11</u>	<u>01</u>	<u>3</u>	<u>17</u>	<u>00</u>	<u>00</u>	<u>00</u>	<u>00</u>	<u>00</u>	<u>00</u>
<u>0 2</u>	<u>11</u>	<u>03</u>	<u>3</u>	<u>32</u>	<u>00</u>	<u>00</u>	<u>00</u>	<u>00</u>	<u>00</u>	<u>00</u>
<u>0 3</u>	<u>12</u>	<u>01</u>	<u>3</u>	<u>17</u>	<u>00</u>	<u>00</u>	<u>00</u>	<u>00</u>	<u>00</u>	<u>00</u>
<u>0 4</u>	<u>12</u>	<u>03</u>	<u>3</u>	<u>38</u>	<u>00</u>	<u>00</u>	<u>00</u>	<u>00</u>	<u>00</u>	<u>00</u>
<u>0 5</u>	<u>13</u>	<u>01</u>	<u>3</u>	<u>17</u>	<u>00</u>	<u>00</u>	<u>00</u>	<u>00</u>	<u>00</u>	<u>00</u>
<u>0 6</u>	<u>13</u>	<u>03</u>	<u>3</u>	<u>47</u>	<u>00</u>	<u>00</u>	<u>00</u>	<u>00</u>	<u>00</u>	<u>00</u>
<u>0 7</u>	—	—	—	—	—	—	—	—	—	—

NOTE: USE ADDITIONAL PAGE IF MORE THAN 7 INTRUSIONS.

Duplicate columns 1-8  
from the previous card.

Module 1 9 T 10 Format 0 11 3 12

NOTE: IF NO SIDE DOOR INTRUSION,  
SKIP REMAINDER OF PAGE.

SIDE DOOR INTRUSION  
RESULTED FROM

INTRUSION  
NUMBER CAUSE

CODES  
FOR CAUSE:  
  
13 15 (1) DIRECT  
IMPACT  
16 18 (2) INDUCED  
DAMAGE  
19 21 (9) UNKNOWN

IF DAMAGE TO DOOR COMPONENT RESULTED IN INCREASED  
DOOR INTRUSION, CODE COMPONENT

INTRUSION  
NUMBER

DAMAGED  
COMPONENT 1

DAMAGED  
COMPONENT 2

CODES  
FOR COMPONENTS

A 22 23

25

B 26 27

29

C 30 31

33

D 34 35

37

- (0) NONE  
(1) A-PILLAR  
(2) B-PILLAR  
(3) C-PILLAR  
(4) LATCH/STRIKER  
(5) HINGES  
(7) OTHER: \_\_\_\_\_  
(8) NOT APPLICABLE  
(9) UNKNOWN



Duplicate columns 1-8  
from the previous card.

Module 1 T Format 0 2  
9 10 11 12

INTRUSION IT-6

NOTE: Each line in the table below is a separate record (card).  
Duplicate columns 1 - 12 for each completed line.

-- ADDITIONAL PAGE --

**INTRUSIONS** CODE INTRUSIONS IN THIS ORDER: LEFT TO RIGHT ON ROW; FRONT TO BACK IN VEHICLES.  
CODES FOR B, F, G, H, I, J ON PAGE IT-3  
CODES FOR C ON PAGE IT-4

OCCUPANT CONTACT AND INJURY

A	B	C	D	E	F	G	H	I	J	K
INTRUSION NUMBER	OCC. SPACE NO.	INTRUDING COMPONENT OR OBJECT	ASSOC. EVENT NO.	MAXIMUM INTRUSION X AXIS (cm)	MAXIMUM INTRUSION Y AXIS (cm)	MAXIMUM INTRUSION Z AXIS (cm)	OCCUPANT NUMBER	INJURY NUMBER	OCCUPANT NUMBER	INJURY NUMBER
13-14	15-16	17-18	19	20-21	22-23	24-25	26-27	28-29	30-31	32-33
<u>0 8</u>	— —	— —	—	— —	— —	— —	— —	— —	— —	— —
<u>0 9</u>	— —	— —	—	— —	— —	— —	— —	— —	— —	— —
<u>1 0</u>	— —	— —	—	— —	— —	— —	— —	— —	— —	— —
<u>1 1</u>	— —	— —	—	— —	— —	— —	— —	— —	— —	— —
<u>1 2</u>	— —	— —	—	— —	— —	— —	— —	— —	— —	— —
<u>1 3</u>	— —	— —	—	— —	— —	— —	— —	— —	— —	— —
<u>1 4</u>	— —	— —	—	— —	— —	— —	— —	— —	— —	— —
<u>1 5</u>	— —	— —	—	— —	— —	— —	— —	— —	— —	— —
<u>1 6</u>	— —	— —	—	— —	— —	— —	— —	— —	— —	— —
<u>1 7</u>	— —	— —	—	— —	— —	— —	— —	— —	— —	— —
<u>1 8</u>	— —	— —	—	— —	— —	— —	— —	— —	— —	— —
<u>1 9</u>	— —	— —	—	— —	— —	— —	— —	— —	— —	— —
<u>2 0</u>	— —	— —	—	— —	— —	— —	— —	— —	— —	— —
<u>2 1</u>	— —	— —	—	— —	— —	— —	— —	— —	— —	— —
<u>2 2</u>	— —	— —	—	— —	— —	— —	— —	— —	— —	— —
<u>2 3</u>	— —	— —	—	— —	— —	— —	— —	— —	— —	— —
<u>2 4</u>	— —	— —	—	— —	— —	— —	— —	— —	— —	— —
<u>2 5</u>	— —	— —	—	— —	— —	— —	— —	— —	— —	— —

Duplicate columns 1-8  
from the previous card.

Module 1 D Format 0 1  
9 10 11 12

# INTERIOR DAMAGE

ID-1

## CODES:

- (0) NO  
(1) YES  
(3) NO, and OCCUPANT CONTACT

- (4) YES, and OCCUPANT CONTACT  
(8) NOT APPLICABLE  
(9) UNKNOWN

	LEFT	RIGHT				
<b>SIDES</b>			<b>FRONT</b>		<b>INSTRUMENT PANEL</b>	
FRONT DOOR	<u>1</u> 13	<u>1</u> 14	FOOT CONTROLS	<u>1</u> 45	UPPER PANEL	<u>1</u> 55
FRONT HARDWARE	<u>1</u> 15	<u>0</u> 16	IGNITION KEYS	<u>0</u> 46	MID PANEL	<u>4</u> 56
FRONT ARMREST	<u>0</u> 17	<u>0</u> 18	REAR VIEW MIRROR	<u>1</u> 47	LOWER PANEL	<u>4</u> 57
FRONT GLASS	<u>0</u> 19	<u>1</u> 20	SUNVISOR/FITTINGS	<u>3</u> 48	ASHTRAY	<u>0</u> 58
REAR DOOR AREA	<u>0</u> 21	<u>0</u> 22	(5) LEFT SIDE ONLY (6) RIGHT SIDE ONLY (7) BOTH SIDES		CONTROL KNOBS & LEVERS	<u>0</u> 59
REAR HARDWARE	<u>0</u> 23	<u>0</u> 24	WINDSHIELD TOP MOLDINGS	<u>0</u> 49	GLOVE COMPARTMENT AREA	<u>1</u> 60
REAR ARMREST	<u>0</u> 25	<u>0</u> 26	LEFT A-PILLAR (UPPER OR LOWER)	<u>1</u> 50	INSTRUMENTS	<u>0</u> 61
REAR GLASS	<u>0</u> 27	<u>0</u> 28	RIGHT A-PILLAR (UPPER OR LOWER)	<u>1</u> 51	PARKING BRAKE RELEASE	<u>0</u> 62
ROOF SIDE RAIL	<u>0</u> 29	<u>1</u> 30	CENTER CONSOLE	<u>3</u> 52	PARKING BRAKE PEDAL	<u>0</u> 63
B-PILLAR	<u>0</u> 31	<u>0</u> 32	TRANSMISSION SELECTOR LEVER	<u>1</u> 53	A/C OR UPPER VENT OUTLETS	<u>4</u> 64
C-PILLAR	<u>0</u> 33	<u>1</u> 34	RIM, HORN, SPOKE	<u>3</u> 54	HEATER OR A/C DUCTS	<u>1</u> 65
D-PILLAR	<u>0</u> 35	<u>0</u> 36			RADIO	<u>0</u> 66
HEADLINING	<u>0</u> 37	<u>1</u> 38			OTHER: * _____	<u>8</u> 67
ROOF STRUCTURE	<u>0</u> 39	<u>1</u> 40				
T-ROOF/SUN ROOF	<u>0</u> 41	<u>0</u> 42				
OTHER: * _____	<u>0</u> 43	<u>0</u> 44				
					<b>REAR</b>	
					WINDOW	<u>0</u> 68
					WINDOW HEADER	<u>0</u> 69
					<b>CONSOLES</b>	
					VERTICAL	<u>0</u> 70
					ROOF	<u>0</u> 71

\* MORE THAN ONE ITEM MAY BE NOTED.

Duplicate columns 1-8 from the previous card.		Module <u>S</u> <u>T</u> Format <u>0</u> <u>2</u> 9 10 11 12		SEATS		ST-1	
<b>FRONT SEAT</b>		DRIVER	PASSENR	<b>FRONT SEAT-BACK</b>		DRIVER	PASSENR
<b>TYPE OF FRONT SEAT</b> (00) NO SEAT (01) STANDARD BENCH (02) SPLIT BACK, 50-50 (03) SPLIT BACK, DRIVER WIDE (04) SPLIT BACK, PASS. WIDE (05) BUCKET (06) CAPTAIN'S CHAIR (07) INDIV. BENCH, 50-50 (08) INDIV. BENCH, DRIVER WIDE (09) INDIV. BENCH, PASS. WIDE (97) OTHER: _____ (99) UNKNOWN		<u>05</u> 13 14	<u>05</u> 15 16	<b>SEAT-BACK TYPE</b> (1) FORWARD FOLDING (2) RIGID (3) RECLINING (7) OTHER: _____ (8) NOT APPLICABLE (9) UNKNOWN		<u>3</u> 30	<u>3</u> 31
<b>TYPE OF SEAT MOUNT</b> (1) STANDARD (2) PEDESTAL (7) OTHER: _____ (8) NOT APPLICABLE (9) UNKNOWN		<u>1</u> 17	<u>1</u> 18	<b>SEAT-BACK LOCK TYPE</b> (0) NONE (1) MANUAL (2) INERTIA (3) POWER (7) OTHER: _____ (8) NOT APPLICABLE (9) UNKNOWN		<u>1</u> 32	<u>1</u> 33
<b>SWIVEL MECHANISM EQUIPPED</b> (0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN		<u>0</u> 19	<u>0</u> 20	<b>LOCKS HELD</b> (0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN		<u>1</u> 34	<u>1</u> 35
<b>ORIGINAL EQUIPMENT SEATS</b> (0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN		<u>1</u> 21	<u>1</u> 22	<b>RECLINER MECHANISM HELD</b> (0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN		<u>1</u> 36	<u>1</u> 37
<b>CONTACT OF SEAT BY REAR OCCUPANT</b> (0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN		<u>8</u> 23	<u>8</u> 24				
<b>FRONT SEAT DAMAGE</b> (0) NONE (1) BACKREST ONLY DAMAGED (2) CUSHION ONLY DAMAGED (3) BACKREST & CUSHION DAMAGED (8) NOT APPLICABLE (9) UNKNOWN		<u>1</u> 25	<u>3</u> 26	<b>HEAD RESTRAINT</b> <b>HEAD RESTRAINT TYPE</b> (0) NONE (1) ADJUSTABLE (2) INTEGRAL (3) NOT INTEGRAL, BUT CANNOT BE REMOVED (7) OTHER: _____ (8) NOT APPLICABLE (9) UNKNOWN		<u>2</u> 38	<u>2</u> 39
<b>CENTER ARMREST DAMAGED</b> (0) NO (1) YES (7) EQUIPPED, DAMAGE UNKNOWN (8) NOT APPLICABLE (NO CENTER ARMREST) (9) UNKNOWN IF EQUIPPED		<u>1</u> 27		<b>REMOVED PRE-CRASH</b> (0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN		<u>8</u> 40	<u>8</u> 41
<b>FRONT SEAT ROTATION</b> (0) NONE APPARENT (1) FORWARD APPARENT (2) REARWARD APPARENT (3) LEFT APPARENT (4) RIGHT APPARENT (5) MULTIPLE ROTATIONS SPECIFY _____ (8) NOT APPLICABLE (9) UNKNOWN		<u>9</u> 28	<u>9</u> 29	<b>ADJUSTMENT AT CRASH</b> (1) UP (2) DOWN (8) NOT APPLICABLE (9) UNKNOWN		<u>8</u> 42	<u>8</u> 43
				<b>HEAD RESTRAINT DAMAGE</b> (0) NONE (1) DAMAGED BUT NOT SEPARATED (2) SEPARATED (8) NOT APPLICABLE (9) UNKNOWN		<u>0</u> 44	<u>0</u> 45

FRONT SEAT ADJUSTMENT		DRIVER	PASSENGER	SECOND SEAT (CONT.)	
<b>SEAT ADJUSTMENT TYPE</b> (0) NONE (RIGID) (1) MANUAL (2) POWER (7) OTHER: _____ (8) NOT APPLICABLE (NO SEAT) (9) UNKNOWN		<u>1</u> 46	<u>1</u> 47	<b>CENTER ARMREST DAMAGED</b>  (0) NO (1) YES (7) EQUIPPED, DAMAGE UNKNOWN (8) NOT APPLICABLE (NO CENTER ARMREST) (9) UNKNOWN IF EQUIPPED	
<b>ADJUSTMENT PROVIDED</b> (1) 2-WAY (2) 4-WAY (3) 6-WAY (7) OTHER: _____ (8) NOT APPLICABLE (9) UNKNOWN		<u>1</u> 48	<u>1</u> 49	<b>SECOND SEAT-BACK</b>  <b>LOCKS</b>  FOR THE FOLLOWING, USE: (0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN	
<b>SEAT ADJUSTER DAMAGE</b> (0) NONE (1) CHUCKING (FREE PLAY) (2) DEFORMED (RELEASED/JAMMED) (3) SEPARATED (7) OTHER: _____ (8) NOT APPLICABLE (9) UNKNOWN		<u>2</u> 50	<u>2</u> 51	<b>LEFT OR CENTER, EQUIPPED</b>  <b>LEFT OR CENTER, HELD</b> (3) SEAT FOLDED DOWN <b>RIGHT, EQUIPPED</b>  <b>RIGHT, HELD</b> (3) SEAT FOLDED DOWN	LEFT <u>8</u> 61 <u>8</u> 63 <u>8</u> 65 <u>8</u> 67  RIGHT <u>8</u> 62 <u>8</u> 64 <u>8</u> 66 <u>8</u> 68
<b>SEAT ADJUSTER SEPARATION</b> (0) NONE (1) SEPARATED AT FLOOR (2) SEPARATION OF ADJUSTER (3) SEPARATED AT SEAT (8) NOT APPLICABLE (9) UNKNOWN		<u>0</u> 52	<u>0</u> 53	<b>THIRD SEAT</b>  <b>EQUIPPED</b>  <b>BACKREST DAMAGED</b>  <b>CUSHION DAMAGED</b>	
<b>PRE-CRASH POSITION</b> (1) FORWARD (2) MIDDLE (3) REARWARD (8) NOT APPLICABLE (9) UNKNOWN		<u>2</u> 54	<u>2</u> 55	<b>VEHICLE EQUIPPED WITH REAR HEAD RESTRAINTS</b>  (0) NOT EQUIPPED (OR REMOVED) (1) EQUIPPED (2) EQUIPPED & DAMAGED (8) NOT APPLICABLE (NO REAR SEAT) (9) UNKNOWN  <i>Applies to any rear-seat position</i>	
<b>SECOND SEAT</b>  <b>TYPE OF SECOND SEAT</b> (0) NONE (1) NON-FOLDING (2) FOLDING (3) CAPTAIN'S CHAIR (4) JUMP SEAT (5) INTEGRAL CHILD SEAT (6) LUGGAGE AREA ACCESS PANEL (9) UNKNOWN		LEFT  <u>1</u> 56	RIGHT  <u>1</u> 57	<u>0</u> 69 <u>8</u> 71 <u>8</u> 73	<u>0</u> 70 <u>8</u> 72 <u>8</u> 74
<b>SECOND SEAT DAMAGE</b> (0) NONE (1) BACKREST ONLY (DAMAGED OR LOOSENED) (2) CUSHION ONLY (DAMAGED OR LOOSENED) (3) BACKREST & CUSHION (DAMAGED OR LOOSENED) (4) INTEGRAL CHILD SEAT (PRIORITY CODE) (5) LUGGAGE AREA ACCESS PANEL (DAMAGED OR LOOSENED) (8) NOT APPLICABLE (9) UNKNOWN		<u>2</u> 58	<u>2</u> 59		

Duplicate columns 1-8  
from the previous card.

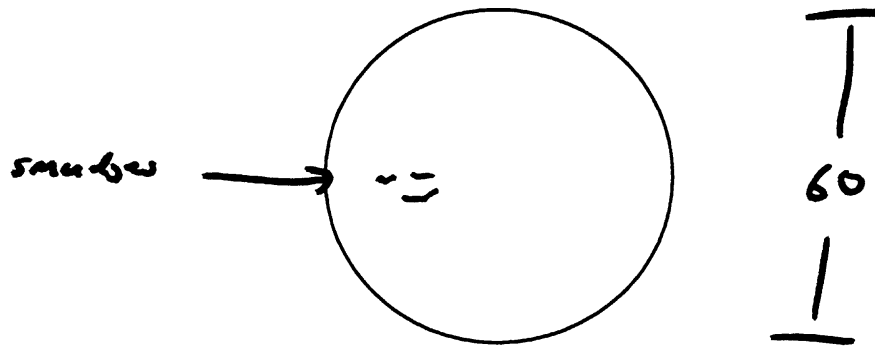
Module A B Format 0 1  
9 10 11 12

AIRBAG AB-1

<p>DRIVER SIDE</p> <p>LOCATION OF AIRBAG</p> <p>STEERING WHEEL</p> <p>EQUIPPED</p> <p>(0) NO (1) YES (4) PRIOR DEPLOYMENT NOT REINSTALLED (9) UNKNOWN IF AIRBAG EQUIPPED</p> <p>DEPLOYED</p> <p>(0) NO (1) YES (2) PARTIAL/IMPROPER DEPLOYMENT (8) NOT APPLICABLE (NO AIRBAG) (9) UNKNOWN</p>	<p><u>1</u> 13</p> <p><u>1</u> 14</p>	<p>PASSENGER SIDE</p> <p>LOCATION OF AIRBAG</p> <p>INSTRUMENT PANEL (GLOVE BOX)</p> <p>EQUIPPED</p> <p>(0) NO (1) YES (4) PRIOR DEPLOYMENT NOT REINSTALLED (9) UNKNOWN IF AIRBAG EQUIPPED</p> <p>DEPLOYED</p> <p>(0) NO (1) YES (2) PARTIAL/IMPROPER DEPLOYMENT (8) NOT APPLICABLE (NO AIRBAG) (9) UNKNOWN</p>	<p><u>1</u> 16</p> <p><u>1</u> 17</p>
<p>CONDITION OF AIRBAG</p> <p>STEERING WHEEL</p> <p>(0) NO DAMAGE (2) SPLIT OR TORN (3) CUT DURING CRASH (4) <u>BURNED/MELTED</u> <i>slightly at vent</i> (5) CUT POST CRASH (6) OTHER _____ (7) DAMAGED, CONDITION UNKNOWN (8) NOT APPLICABLE (NOT EQUIPPED/NOT DEPLOYED) (9) UNKNOWN IF EQUIPPED OR CONDITION</p>	<p><u>4</u> 15</p>	<p>CONDITION OF AIRBAG</p> <p>INSTRUMENT PANEL (GLOVE BOX)</p> <p>(0) NO DAMAGE (2) SPLIT OR TORN (3) CUT DURING CRASH (4) BURNED/MELTED (5) CUT POST CRASH (6) OTHER _____ (7) DAMAGED, CONDITION UNKNOWN (8) NOT APPLICABLE (NOT EQUIPPED/NOT DEPLOYED) (9) UNKNOWN IF EQUIPPED OR CONDITION</p>	<p><u>0</u> 18</p>
<p>DRIVER SIDE</p> <p>AIRBAG</p> <p>STEERING WHEEL</p> <p>TETHER <i>2 tethers</i></p> <p>(0) NO (1) YES (6) OTHER _____ (7) UNKNOWN IF TETHERED (8) NOT APPLICABLE (NO AIRBAG) (9) UNKNOWN IF AIRBAG EQUIPPED</p> <p>MARKED BY CONTACT <i>2 vents</i></p> <p>(0) NO (1) YES (8) NOT APPLICABLE (NO AIRBAG) (9) UNKNOWN</p>	<p><u>1</u> 19</p> <p><u>1</u> 20</p>	<p>PASSENGER SIDE</p> <p>AIRBAG</p> <p>INSTRUMENT PANEL (GLOVE BOX)</p> <p>TETHER <i>no tethers</i></p> <p>(0) NO (1) YES (6) OTHER _____ (7) UNKNOWN IF TETHERED (8) NOT APPLICABLE (NO AIRBAG) (9) UNKNOWN IF AIRBAG EQUIPPED</p> <p>MARKED BY CONTACT <i>no vents</i></p> <p>(0) NO (1) YES (8) NOT APPLICABLE (NO AIRBAG) (9) UNKNOWN</p>	<p><u>0</u> 21</p> <p><u>0</u> 22</p>

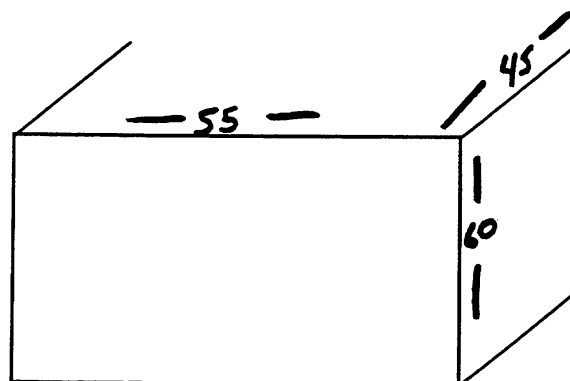
AIRBAG NUMBER ON DRIVER SIDE:

NOTE AND DESCRIBE ANY AIRBAG CONTACT OR  
DAMAGE ON DIAGRAM BELOW:



AIRBAG NUMBER ON PASSENGER SIDE:

NOTE AND DESCRIBE ANY AIRBAG CONTACT OR  
DAMAGE ON DIAGRAM BELOW:



NOTE TO THE INVESTIGATOR:

THE FOLLOWING TWO SECTIONS,  
OCCUPANT INFORMATION AND INJURY CLASSIFICATION,  
ARE TO BE FILLED IN  
FOR EACH CASE VEHICLE OCCUPANT,  
WHETHER INJURED OR NOT.

IF THERE IS MORE THAN ONE OCCUPANT,  
USE ADDITIONAL COPIES  
OF PAGES OC-1, OC-2, OC-3,  
AND IC-2 TO DESCRIBE THEM  
AND ATTACH THE COPIES TO THIS REPORT.

Duplicate columns 1-8  
from the previous card.

Module 0 C Format 0 2  
9 10 11 12

# OCCUPANT INFORMATION OC-1

## OCCUPANT IDENTIFICATION

OCCUPANT NUMBER

01  
13 14

ROLE OF OCCUPANT AT 1ST IMPACT

- (1) MOTOR VEHICLE DRIVER
- (2) MOTOR VEHICLE PASSENGER  
(NOT DRIVER)
- (9) UNKNOWN

1  
15

## PHYSICAL DESCRIPTION

AGE IN YEARS

- (00) LESS THAN 1 YEAR
- (98) 98 YEARS OR OLDER
- (99) UNKNOWN

22  
20 21

AGE IN MONTHS

- (00) LESS THAN 1 MONTH
- (25) 25 MONTHS OR OLDER
- (99) UNKNOWN

25  
22 23

MASS (kg)

- (999) UNKNOWN

057  
24 25 26

HEIGHT (cm)

- (999) UNKNOWN

165  
27 28 29

SEX

- (1) MALE
- (2) FEMALE
- (9) UNKNOWN

1  
30

## OCCUPANT POSITION

ROW LOCATION

- (1) FRONT
- (2) SECOND
- (3) THIRD
- (4) FOURTH
- (7) OTHER: \_\_\_\_\_
- (8) EXTERNAL TO PASSENGER  
COMPARTMENT (E.G. BED OF PICKUP)
- (9) UNKNOWN

1  
16

LATERAL LOCATION

- (1) LEFT
- (2) LEFT CENTER
- (3) CENTER
- (4) RIGHT CENTER
- (5) RIGHT
- (6) ALL (LYING ON SEAT)
- (8) EXTERNAL TO PASSENGER  
COMPARTMENT
- (9) UNKNOWN

1  
17

POSTURE

- (10) SITTING ON SEAT
- (11) SITTING ON SEAT IN ABNORMAL  
POSITION (E.G. FEET ON DASH,  
SIDEWAYS)
- (12) SITTING ON CONSOLE
- (20) ON LAP OR IN ARMS
- (30) STANDING ON SEAT
- (40) STANDING ON FLOOR
- (47) STANDING, EXTERNAL TO  
PASSENGER COMPARTMENT
- (50) IN BASSINET
- (60) IN CHILD SEAT
- (65) IN CHILD HARNESS
- (70) LYING ON SEAT
- (80) LYING/SITTING ON PASSENGER  
FLOOR
- (83) LYING/SITTING ON OTHER  
OBJECT IN PASSENGER  
COMPARTMENT: \_\_\_\_\_
- (85) ON CARGO FLOOR/FOLDED  
SEAT-BACK
- (87) LYING/SITTING, EXTERNAL TO  
PASSENGER COMPARTMENT
- (97) OTHER: \_\_\_\_\_
- (99) UNKNOWN

10  
18 19

## MEDICAL CONDITIONS

TREATMENT/MORTALITY

- (00) NONE
- (01) FIRST AID AT SCENE
- (02) TREATED AT HOSPITAL/CLINIC  
BUT NOT ADMITTED
- (03) HOSPITALIZED FOR OBSERVATION  
LESS THAN 24 HOURS
- (04) HOSPITALIZED OVER 24 HOURS  
OR FOR SIGNIFICANT TREATMENT
- (05) FATAL, DEAD AT SCENE
- (06) FATAL, DOA
- (07) FATAL, DEAD WITHIN 24 HOURS
- (08) FATAL, DEAD 24 HOURS TO  
31 DAYS LATER
- (09) FATAL, DEAD 31 DAYS TO  
1 YEAR LATER
- (10) FATAL DEAD WITHIN UNKNOWN  
PERIOD
- (99) UNKNOWN

04  
31 32

INJURY SEVERITY SCORE (ISS)

- (99) UNKNOWN

45  
33 34

NON-IMPACT MED. CONDITIONS

- (0) NONE
- (1) YES, TIME & TYPE UNKNOWN
- (2) PRE-CRASH FATAL (CLINICAL  
DEATH AT WHEEL)
- (3) PRE-CRASH NON-FATAL (E.G.  
PRIOR INJURY, STROKE)
- (4) PREGNANT
- (5) POST-CRASH FATAL (DROWNING)
- (6) POST-CRASH NON-FATAL INJURY
- (7) OTHER: \_\_\_\_\_
- (8) COMBINATION OF ABOVE  
(CIRCLE EACH)
- (9) UNKNOWN

0  
35



## OCCUPANT INFORMATION OC-2

OCCUPANT INFORMATION OC-2			
<b>MEDICAL CONDITIONS (CONT.)</b>  <b>POLICE INJURY SEVERITY CODE FOR THIS OCCUPANT</b>  (0) O - NO INJURY (1) C - POSSIBLE INJURY (2) B - NON-INCAPACITATING (3) A - INCAPACITATING INJURY (4) K - FATAL (5) INJURED, SEVERITY UNKNOWN (6) DIED PRIOR TO IMPACT (7) NON-FATAL INJURY, SEVERITY UNKNOWN (9) UNKNOWN	<b>3</b> 36	<b>CHILD SEAT TYPE</b>  (00) NONE USED (01) YES, USED (02) INTEGRAL, Chrysler Mini-van (88) NOT APPLICABLE (ADULT OR OLDER CHILD) (99) UNKNOWN  <b>CHILD SEAT MAKE/MODEL</b>  _____  _____  _____	<b>88</b> 41 42
<b>RESTRAINT SYSTEM</b>  <b>ACTIVE RESTRAINT SYSTEM</b>  (0) NONE (1) LAP BELT (2) SHOULDER HARNESS ONLY (3) BOTH LAP BELT & SHOULDER HARNESS (9) UNKNOWN  <b>ACTIVE RESTRAINT SYSTEM USAGE</b>  (0) NONE (AVAILABLE BUT NOT USED) (1) LAP BELT ONLY (2) SHOULDER HARNESS ONLY (3) BOTH LAP BELT & SHOULDER HARNESS (7) IMPROPER USAGE (8) NOT APPLICABLE (NONE AVAILABLE) (9) UNKNOWN  <b>PASSIVE RESTRAINT SYSTEM</b>  (0) NONE (1) AIRBAG INSTALLED (2) PASSIVE UPPER TORSO WITH KNEE BOLSTERS (3) PASSIVE UPPER TORSO WITHOUT KNEE BOLSTERS (4) PASSIVE LAP & UPPER TORSO (5) AIRBAG INSTALLED & PASSIVE RESTRAINT (7) OTHER: _____ (9) UNKNOWN  <b>PASSIVE RESTRAINT SYSTEM USAGE</b>  (0) SYSTEM DEFEATED (1) AIRBAG NOT DEPLOYED (2) AIRBAG DEPLOYED (3) AIRBAG NOT REINSTALLED (4) PASSIVE UPPER TORSO USED (5) PASSIVE LAP & UPPER TORSO USED (6) SYSTEM USED IN MANUAL MODE (7) IMPROPER USAGE (8) NOT APPLICABLE (NOT ORIGINALLY EQUIPPED) (9) UNKNOWN	<b>3</b> 37  <b>0</b> 38  <b>1</b> 39  <b>2</b> 40	<b>EJECTION</b>  <b>DEGREE OF EJECTION</b>  (0) NONE (1) PARTIAL (2) COMPLETE (7) EJECTED, DEGREE UNKNOWN (9) UNKNOWN IF EJECTED  <b>AREA OF EJECTION</b>  (01) WINDOW, LEFT SIDE (02) WINDOW, RIGHT SIDE (03) WINDOW, REAR (04) DOOR, LEFT SIDE (05) DOOR, RIGHT SIDE (06) DOOR, REAR OR TAILGATE (07) WINDSHIELD (08) ROOF OR OPEN CONVERTIBLE OR FROM EXTERNAL AREA (96) EJECTED AREA UNKNOWN (97) OTHER AREA: _____ (98) NOT APPLICABLE (NOT EJECTED) (99) UNKNOWN IF EJECTED	<b>0</b> 43  <b>98</b> 44 45
<b>IF OCCUPANT WAS EJECTED, DESCRIBE IN DETAIL BELOW:</b>  _____  _____  _____  _____			
		<b>HEAD RESTRAINT</b>  <b>HEAD RESTRAINT AVAILABLE FOR THIS POSITION</b>  (0) NOT EQUIPPED OR REMOVED (1) EQUIPPED (9) UNKNOWN	<b>1</b> 46

# OCCUPANT INFORMATION OC-3

## OCCUPANT EYEWEAR

- (0) NONE
- (1) GLASSES
- (2) CONTACTS
- (3) BOTH GLASSES AND CONTACTS
- (4) OTHER \_\_\_\_\_
- (8) NOT APPLICABLE
- (9) UNKNOWN

0  
47

## SOURCE OF INFORMATION

- (0) INTERVIEW
- (1) HOSPITAL
- (2) AUTOPSY
- (3) POLICE
- (4) OTHER \_\_\_\_\_
- (5) LAY CORONER/EXTERNAL EXAM
- (7) COMBINATION OF ABOVE (CIRCLE)
- (8) NOT APPLICABLE
- (9) UNKNOWN

7  
48

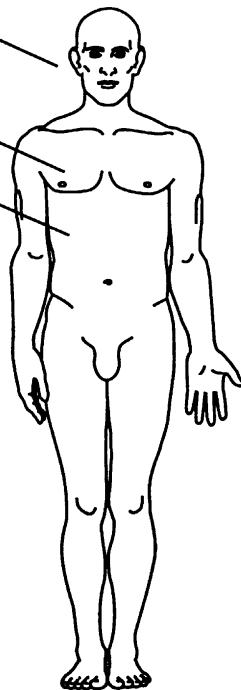
## OCCUPANT INFORMATION OC-4

INDICATE LOCATION OF INJURIES.

Subdural/subarachnoid  
hemorrhage in the  
brainstem (5)

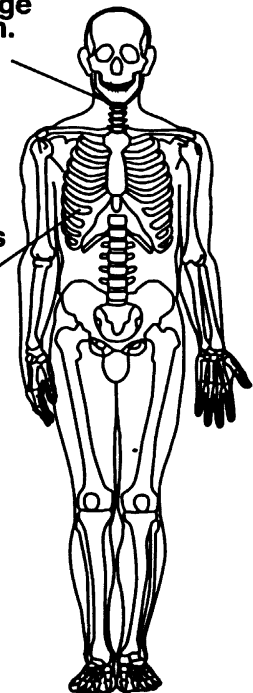
Right pulmonary  
contusion (3)

Liver contusion (2)



C1 anterior arch fracture,  
slightly displaced, with epidural  
and subarachnoid hemorrhage  
at the craniocervical junction.  
Incomplete cord syndrome;  
hemiplegia (4)

Right 2nd through 6th rib  
fractures (2nd and 3rd are  
fractured in two places), left  
2nd through 4th rib fractures  
with right hemothorax (4)



INJURY CLASSIFICATION IC-1

## OCCUPANT INJURY CLASSIFICATION

**Duplicate "Occupant Number" for each line.**

49

## INJURY CLASSIFICATION IC-2

## CODES FOR AREAS OF POSSIBLE OCCUPANT CONTACT

## FRONT OF PASSENGER COMPARTMENT

- (10) SUNVISOR, FITTING(S) &/OR TOP MOLDING
- (12) WINDSHIELD
- (05) INSTRUMENT PANEL (*SPECIFIC AREA UNKNOWN*)
- (54) UPPER INSTRUMENT PANEL (*X*)
- (55) MIDDLE INSTRUMENT PANEL (*Y*)
- (56) LOWER INSTRUMENT PANEL (*Z*)
- (81) ASH TRAY (*INSTRUMENT PANEL*)
- (02) GLOVE COMPARTMENT AREA
- (47) AIRBAG (*ACRS*) COMPARTMENT DOOR/COVER
- (57) BENEATH INSTRUMENT PANEL
- (53) PARCEL TRAY
- (48) KNEE RESTRAINT
- (86) VERTICAL CONSOLE
- (28) FOOT CONTROLS (*INCL. PARKING BRAKE PEDAL*)
- (09) STEERING ASSEMBLY (*SPECIFIC AREA UNKNOWN*)
- (65) STEERING WHEEL
- (66) STEERING WHEEL COLUMN
- (59) TRANSMISSION LEVER ON COLUMN
- (03) HARDWARE ITEM (*SPECIFIC AREA UNKNOWN*)
- (82) INSTRUMENT(S)
- (83) CONTROL KNOB(S) & LEVER(S) (*FRONT*)
- (84) PARKING BRAKE HANDLE IN FRONT
- (67) IGNITION KEY
- (06) MIRROR
- (04) HEATER OR AIR CONDITIONING DUCTS
- (01) AIR CONDITIONING OR VENTILATION OUTLET(S)
- (08) RADIO (*BUILT IN*)
- (58) ADD-ON TAPE DECK, RADIO, A/C
- (68) ROOF MOUNTED CONTROLS/CONSOLES

## REAR

- (88) SURFACE OF REAR INTERIOR
- (23) REAR WINDOW
- (39) REAR WINDOW HEADER
- (50) REAR SEAT CUSHION & BACK

## INTERIOR-GENERAL

- (11) TRANSMISSION SELECTION LEVER (*LOCATION UNK.*)
- (59) TRANSMISSION LEVER ON STEERING COLUMN
- (44) TRANSMISSION LEVER ON FLOOR OR CONSOLE
- (07) PARKING BRAKE HANDLE (*LOCATION UNKNOWN*)
- (84) PARKING BRAKE HANDLE IN FRONT
- (85) PARKING BRAKE HANDLE ON FLOOR OR CONSOLE
- (28) FOOT CONTROLS (*INCL. PARKING BRAKE PEDAL*)
- (29) FRONT SEAT-BACK(S)
- (51) FRONT SEAT CUSHION
- (50) REAR SEAT CUSHION & BACK
- (49) ARMREST ON SEAT
- (89) UNDER SEAT BOTTOM
- (33) RESTRAINT SYSTEM HARDWARE
- (34) RESTRAINT SYSTEM WEBBING
- (87) AIR CUSHION SKIN (*AIRBAG*)
- (47) AIRBAG (*ACRS*) COMPARTMENT DOOR/COVER
- (46) AIRBAG GAS
- (48) KNEE RESTRAINT
- (30) HEAD RESTRAINT
- (42) CHILD SEAT RESTRAINTS
- (43) CHILD SEAT
- (31) INTERIOR LOOSE OBJECT
- (32) OTHER OCCUPANT(S)
- (52) INTERNAL FLYING GLASS (*FROM ANY SOURCE*)
- (41) UNKNOWN INTERIOR SURFACE

## SIDES

- (20) SURFACE OF SIDE INTERIOR
- (19) HARDWARE ON SIDE OR DOOR
- (13) ARMREST ON SIDE OR DOOR
- (24) COAT HOOK
- (22) WINDOW GLASS (*SIDE*)
- (21) WINDOW FRAMES (*SIDE*)
- (26) ROOF SIDE RAIL
- (14) A-PILLAR
- (15) B-PILLAR
- (16) C-PILLAR
- (17) D-PILLAR

## FLOOR

- (40) FLOOR
- (27) CONSOLE ON FLOOR OR BETWEEN SEATS
- (44) TRANSMISSION LEVER ON FLOOR OR CONSOLE
- (85) PARKING BRAKE HANDLE ON FLOOR OR CONSOLE
- (28) FOOT CONTROLS (*INCL. PARKING BRAKE PEDAL*)
- (91) KICKPANEL

## ROOF

- (25) ROOF OR CONVERTIBLE TOP
- (10) SUNVISOR, FITTING(S) &/OR TOP MOLDING
- (26) ROOF SIDE RAIL
- (24) COAT HOOK
- (18) DOME LIGHT
- (39) BACKLIGHT HEADER
- (68) ROOF MOUNTED CONTROLS/CONSOLE
- (69) ROLL BAR

## EXTERIOR SURFACE OF CASE VEHICLE

- (37) OUTSIDE SURFACE OF CASE VEHICLE (*SPECIFIC AREA UNKNOWN*)
- (35) HOOD OF CASE VEHICLE
- (60) EXTERIOR OF CASE VEHICLE (*E.G. OUTSIDE MIRRORS, ANTENNA, TRIM*)
- (62) EXTERIOR SIDE ROOF RAIL OF CASE VEHICLE
- (63) TRUNK LID OF CASE VEHICLE
- (64) TIRES OF CASE VEHICLE

## BEYOND CASE VEHICLE BOUNDARY

- (36) AREA EXTERIOR TO CAR (*SPECIFIC AREA UNK.*)
- (70) HOOD OF OTHER VEHICLE
- (71) OTHER VEHICLE EXTERIOR HARDWARE (*E.G. OUTSIDE MIRRORS, ANTENNA, TRIM*)
- (73) EXTERIOR SIDE ROOF RAIL OF OTHER VEHICLE
- (74) HEADLIGHT OR FRONT GRILL OF OTHER VEH.
- (75) TRUNK OF OTHER VEHICLE
- (76) OUTSIDE SURFACE OF OTHER VEHICLE
- (77) TIRES OF OTHER VEHICLE
- (78) GROUND
- (79) WATER
- (80) EXTERIOR OBJECT (*NOT VEHICLE, GROUND, OR WATER. PLEASE DESCRIBE.*)

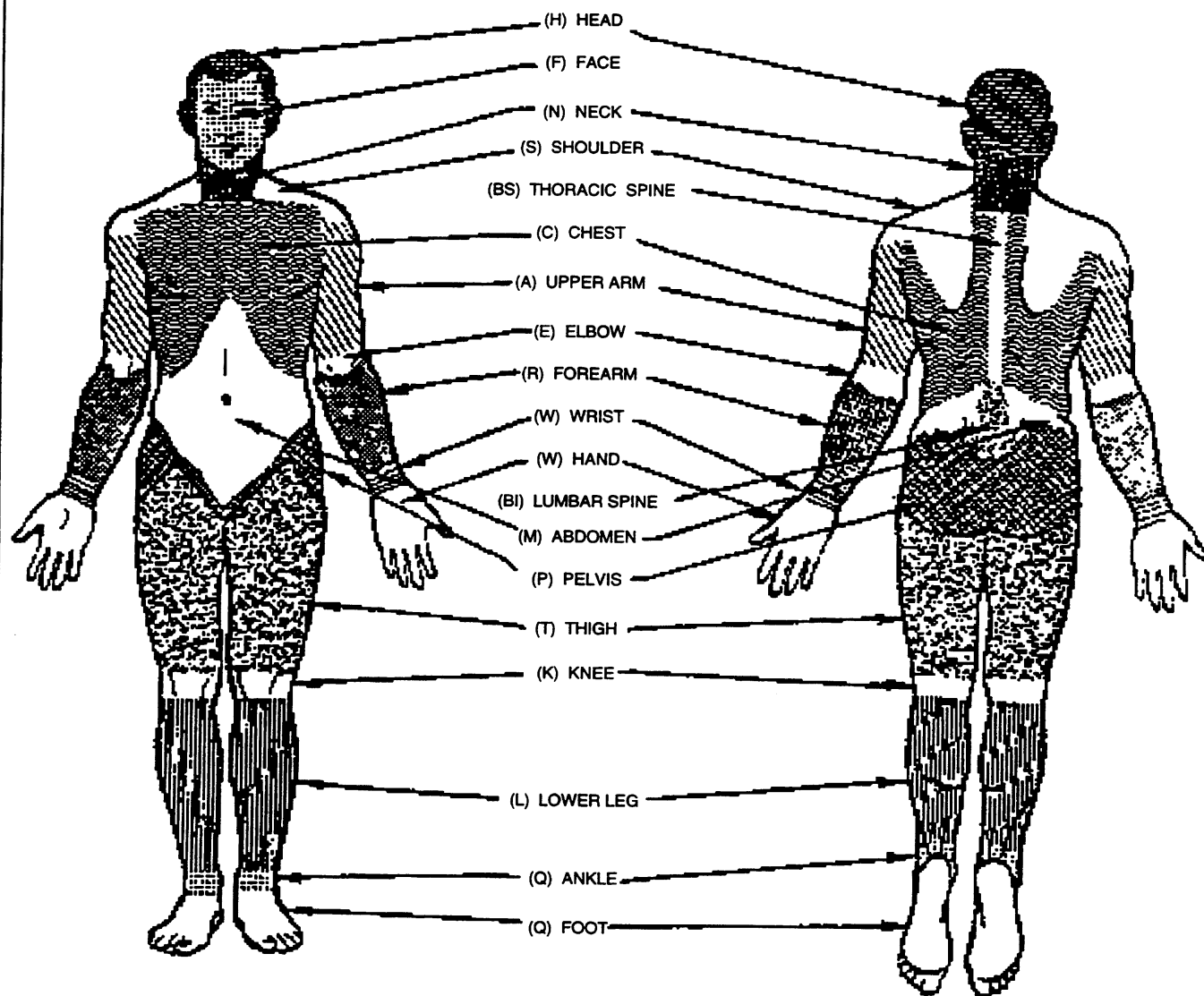
## PENETRATING OBJECTS

- (61) OTHER VEHICLE
- (72) OBJECTS (*DESCRIBE*)

## MISCELLANEOUS

- (00) NO CONTACT (*INVALID FIELD FORM CODE*)
- (38) OTHER (*E.G. FIRE. DESCRIBE*)
- (90) SPARE TIRE
- (96) INDUCED
- (97) EJECTED, UNKNOWN CONTACT
- (98) IMPACT FORCE, "WHIPLASH", HYPEREXTENSION/COMPRESSION
- (99) UNKNOWN AREA OF CONTACT

THE FIGURE BELOW  
IS AN EXPLANATION OF THE BODY REGION CODES  
LISTED ON PAGE IC - 4.



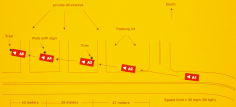
## INJURY CLASSIFICATION IC-4

## CODES FOR OCCUPANT INJURY CLASSIFICATION (OIC)

1	BODY REGION	3	LESION	4	SYSTEM/ORGAN
	(H) HEAD/SKULL		(L) LACERATION		(S) SKELETAL
	(F) FACE		(C) CONTUSION		(V) VERTEBRAE
	(N) NECK		(A) ABRASION		(J) JOINTS
	(S) SHOULDER		(F) FRACTURE		(D) DIGESTIVE
	(X) UPPER EXTREMITIES		(P) PERFORATION, PUNCTURE		(L) LIVER
	(A) ARM ( <i>UPPER</i> )		(K) CONCUSSION		(N) NERVOUS SYSTEM
	(E) ELBOW		(V) AVULSION		(B) BRAIN
	(R) FOREARM		(R) RUPTURE		(C) SPINAL CORD
	(W) WRIST/HAND		(S) SPRAIN		(E) EARS
	(C) CHEST		(D) DISLOCATION		(O) EYES
	(M) ABDOMEN		(N) CRUSH		(A) ARTERIES
	(B) BACK		(M) AMPUTATION		(H) HEART
	(P) PELVIC/HIP		(B) BURN		(Q) SPLEEN
	(Y) LOWER EXTREMITIES		(G) DETACHMENT, SEPARATION		(G) UROGENITAL
	(T) THIGH		(Z) FRACTURE AND DISLOCATION		(K) KIDNEYS
	(K) KNEE		(T) STRAIN		(R) RESPIRATORY
	(L) LEG ( <i>LOWER</i> )		(E) TOTAL SEVERANCE, TRANSECTION		(P) PULMONARY/LUNGS
	(Q) ANKLE/FOOT		(O) OTHER		(M) MUSCLES
	(O) WHOLE BODY		(U) UNKNOWN		(T) THYROID, OTHER ENDOCRINE GLAND
	(U) UNKNOWN				(I) INTEGUMENTARY ( <i>SKIN</i> )
					(W) ALL SYSTEMS IN REGION
					(U) UNKNOWN
2	ASPECT	BODY REGION	ASPECT	SYSTEM/ORGAN	SEVERITY
	(R) RIGHT	1	2	3	4
	(L) LEFT				5
	(B) BILATERAL				
	(C) CENTRAL				
	(A) ANTERIOR/FRONT				
	(P) POSTERIOR/BACK				
	(S) SUPERIOR/UPPER				
	(I) INFERIOR/LOWER				
	(W) WHOLE REGION				
	(U) UNKNOWN				
5	SEVERITY (OR "AIS", ABBREVIATED INJURY SCALE)				
	(0) NONE				
	(1) MINOR				
	(2) MODERATE				
	(3) SERIOUS				
	(4) SEVERE				
	(5) CRITICAL				
	(6) MAXIMUM				
	(9) UNKNOWN				

Case No.: 18500  
Case/Veh. #1: 1999 Ford  
Type: P-180 supercar, 6 x 2 pickup  
Driver: 22-year-old male

Light Condition: Dark  
Weather: Cloudy  
Road Surface: Dry  
Road Construction: Asphalt







PN 18500 #2



PN 18500-#3



PN 18500 #4



PN 18500 #5



PN 18500 #6



**PN 18500 #7**



PN 18500 #8



PN 18500 #9





PN 18500 #10



PN 18500 #11



**PN 18500 #12**



**PN 18500 #13**



**PN 18500 #14**



**PN 18500 #15**



**PN18500-#18**  
**Best Available**



**PN 18500 #17**  
**Best Available**





PN 18500 #18  
Best Available



**PN 18500 #19**  
**Best Available**



**PN 18500 #20**  
**Best Available**



**PN 18500 #21**  
**Best Available**



**PN 18500 #22**  
**Best Available**



**PN 18500 #23**  
**Best Available**



**PN 18500 #24**  
**Best Available**



PN 18500 #25





PN 18500 #26  
Best Available



PN 18500 #27



PN 18500 #28



PN 18500 #29



PN 18500 #30



PN 18500 #31



**PN 18500 #32**



PN 18500 #33





PN 18500 #34



PN 18500 #35



PN 18500 #36



PN 18500 #37



PN 18500 #38



PN 18500 #39



PN 18500 #40



PN 18500 #41





PN 18500 #42



**PN 18500-#43**



**PN 18500#44**



**PN 18500 #45**



PN 18500 #46



PN 18500 #47

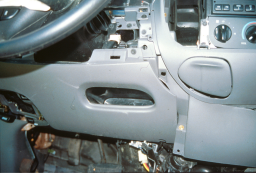


PN 18500 #48



PN 18500 #49





**PN 18500 #50**



PN 18500 #51



PN 18500 #52



PN 18500 #53

1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 26

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